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High School Course Catalog 2024-2025

Natrona County School District recognizes the importance of offering students more educational opportunities than ever. We invite you to explore these opportunities and choose the ones that best meet your child's ability to learn during their high school experience. We are honored and excited to have the privilege of serving you.

Please visit natronaschools.org for updated information on administrative regulations such as dress code, attendance, and cell phone policies.

All high schools offer a variety of opportunities for all students to meet graduation and Hathaway Scholarship Leveled requirements. Under each High School tab, there is a list of some specific programs:

- General Course Offerings (Specific to each High School)
- Articulated College Courses (Specific to each High School)
- AP - Advanced Placement Courses (Kelly Walsh & Natrona High Schools)
- IB - International Baccalaureate Courses (Natrona County High School Only)

[Pathways Innovation Center](#) (P.I.C.) is an extension of Natrona County's high school system. Pathways courses of study include college-preparatory curriculum, industry certifications, and internships. P.I.C. offers advanced and professional coursework for 9th through 12th grades.

NCS D Graduation Requirements

Content Area	Credit(s)	Expectation(s)
Language Arts (English) - All NCS D	4	1 & 5
Mathematics - All NCS D	3	1 & 5
Science - All NCS D	3	1, 2 & 5
Social Studies - All NCS D	3	1, 3 & 5
Physical Education - All NCS D	2	5
Civic Responsibility & Financial Literacy - All NCS D	1	4 & 5
Electives at these NCS D High Schools - Kelly Walsh, Midwest, and Natrona County	10.5	5
Kelly Walsh, Midwest, and Natrona County - Total at these NCS D High Schools	26.5	5

Alternative High School (Roosevelt) Graduation Requirements

Beginning in 2020, Roosevelt Alternative High School will not be classified as an option under the 'open-enrollment' choices for Natrona County School District. Enrollment in Roosevelt will be based on the individual student's social, emotional, and/or academic needs as determined by the District utilizing a process outlined in the details of administrative regulation 6400. As an alternative within Natrona County School District, Roosevelt High School is a referral recommendation from Kelly Walsh, Midwest, or Natron County High School. A Roosevelt student must obtain 20.0 credits of high school equivalent course work and is required to have a graduation plan.

Content Area	Credit(s)	Expectation(s)
Language Arts (English) - All NCS D	4	1 & 5
Mathematics - All NCS D	3	1 & 5
Science - All NCS D	3	1, 2 & 5
Social Studies - All NCS D	3	1, 3 & 5
Physical Education - All NCS D	2	5
Civic Responsibility & Financial Literacy - All NCS D	1	4 & 5
Electives at Roosevelt Alternative High School	4	5 & Student is required to complete a graduation plan
Roosevelt - Total at the NCS D Alternative High School	20.0	5



Seal of Biliteracy

The Wyoming Seal of Biliteracy (WY-SoBL) is an award given by the Wyoming Department of Education in recognition of students who have studied and attained proficiency in English and one or more additional languages by high school graduation. The WY-SoBL encourages students to pursue biliteracy, honors the skills students attain, and can be evidence of skills that are attractive to future employers and college admissions offices.

A student must be a candidate for graduation before being considered to receive the State Seal of Biliteracy. In addition to completion of graduation requirements, a student must demonstrate proficiency on an approved English assessment (i.e., ACT) and on one or more approved world language assessment. Students must demonstrate their proficiency in the four areas of communication including Speaking, Listening, Reading, and Writing.

For Additional Detailed Information:

[NCSD 6400 Board Policy - Graduation Requirements](#)

[NCSD 6400 Administrative Regulation - Graduation Requirements](#)

[NCSD 6400 Standard Operating Procedure - Graduation Requirements](#)

NCSD Class Rank / Grading

High School (Kelly Walsh, Natrona County, & Midwest) Class Rank (Administrative Regulation 6410 Updated August 2023)

Each semester, after the completion of the Spring Semester of a student's junior year, class rank will be determined by NCSD's weighted Grade Point Average (GPA). Students with a higher GPA will be ranked above those with a lower GPA.

1. Seven (7) credits per academic year (28 total) shall be considered in determining final class rank.
2. Approved courses qualified for high school graduation shall be weighted. Only weights for credits earned after the completion of a student's eighth grade year will be counted for ranking purposes. Any high school equivalent course being offered at middle school can receive high school transcript credit, however, high school equivalent courses taken in middle school will not count toward NCSD class rank at the high school level (See guidance from NCSD Standard Operating Procedure 6400)
3. Any replacement/repeat course will be credited to the year for which the original class was taken and the GPA for that year recalculated. Courses repeated for a higher or passing grade will only count one time toward class rank and credit, but will remain on the transcript and noted as a 'repeated' course.
4. Students who wish to pursue credits in excess of 7 per year and more than a 28 credit maximum may do so, but such courses shall not apply to class rank. The seven (7) credits which give the student the highest GPA for that year will be used for ranking computations.
5. Exceptions to credits earned and course weighting prior to ninth (9th) grade will be determined collaboratively by the high school head principals.

Alternative High School (Roosevelt) Class Rank

Roosevelt High School does not rank students using the GPA system. Faculty will select the "Most Outstanding" and "Most Improved" male and female seniors. Those identified students will be recognized at the graduation ceremonies.

Purpose and method to determine Unweighted, NCSD weighted and Wyoming Hathaway Scholarship impacting class rank weighted grade point average

NCSD recognizes three different (3) systems for reporting grade point average (GPA) and grade weighting:

1. Unweighted GPA - A grade point average is a number representing the average value of the accumulated final grades earned in courses over time.
2. Wyoming Hathaway Scholarship grade weighting
3. NCSD weighted GPA - used for NCSD class rank

Name	Purpose	Calculation	Scale
Unweighted GPA	Communicate performance on all courses qualified for high school that are completed	4.0 scale is used for all courses that assign letter grades	<u>Regular Scale Unweighted</u> A = 4.0 B = 3.0 C = 2.0 D = 1.0 F / No Credit = 0.0
*Hathaway Weighted GPA	Communicate performance on all courses qualified for graduation (approved for Hathaway) towards attainment of Hathaway Scholarship levels	Per Wyoming Statute 21-16-1301 and WDE Chapter 38. Honors weight is given to all college courses 1000 level. AP/IB/Honors identification	<u>Hathaway Scale</u> A = 5.0 B = 4.0 C = 3.0 D = 2.0 F / No Credit = 0.0
	Communicate performance on all courses approved for graduation with rigorous courses weighted as honors or advanced.		<u>Regular Scale Unweighted see above.</u>
	Determines class rank	Regular, Advanced, and Honors courses are used for all courses that assign letter grades	<u>Advanced Scale</u> A = 4.5 B = 3.5 C = 2.5 D = 1.5 F / No Credit = 0.0
NCSD Weighted GPA	Student aide, advisory, or other .25 semester courses will not be calculated into any GPA formats.	Regular, Advanced, Honors scales are used for 28 courses that assign letter grades (7 courses a year).	<u>Honors Scale</u> A = 5.0 B = 4.0 C = 3.0 D = 2.0 F / No Credit = 0.0
	The GPA calculation shall not be rounded. Any digits after the thousandths place shall be dropped.		

***Definition of Wyoming Hathaway Scholarship Grade Weighting for NCSD**

Additional Wyoming reporting is required for all Wyoming students beginning with the class of 2018-19. In 2017 the Wyoming Legislative Session established a grade-weighting policy that accounts for the increased academic rigor of high school courses beginning in the 2018-19 school year. Districts will be required to use a 5.0 weighted Hathaway scale for all AP, IB, and +1000 level and above dual/concurrent courses for all students. Districts will also be required to display the weighted Hathaway GPA on all student transcripts for Hathaway Scholarship awarding purposes.

Process for Determining Class Rank for Traditional High Schools

Class Rank is determined on the basis of grades earned in courses qualified for high school graduation, excluding any .25 semester courses.

Courses that are academically rigorous are assigned advanced or honors designations and carry the greatest weights in determining class rank. All levels (regular, advanced, honors/advanced placement) and all letter grades (A-F) are utilized to determine class rank.

Student rankings will be calculated at the end of each Fall and Spring Semester beginning after the end of Spring Semester of the student's junior year by calculating the GPA for up to seven (7) courses per year qualified for high school graduation.

Course Substitutions for all NCSD High Schools

The head principal will approve all substitutions under the following circumstances:

1. High School transfer credits may be substituted for class rank through the 7th Semester. Transfer classes taken to fulfill district graduation requirements must meet Wyoming Content and Performance Standards and NCSD Curriculum. The credit must be earned from an accredited institution.
2. Students may substitute a high school correspondence course (NON-NCSD Online or Distance Education Course) for applicable graduation courses. Correspondence classes taken to fulfill district graduation requirements must

meet **Wyoming Content and Performance Standards and NCSD Curriculum** and be **pre-approved** by the high school principal. The credit must be earned from an accredited institution. Correspondence classes will count toward a student's class rank GPA if a letter grade of A-F was earned.

3. Students transferring into our district or requesting correspondence course work with S/U grades will be given credit for those classes if the course qualified as a credit class from their previous school. However, the class will not count towards NCSD class rank GPA.
4. Credit awarded may be adjusted to reflect the instructional time based on the quantity of minutes for each course.
5. NCSD BOCES courses (Casper College dual or concurrent courses see NCSD SOP 6700-01) and other college/ university courses will be weighted as identified through agreement of the NCSD high school principals (See NCSD Standard Operating Procedure 6200-02)
6. All other extenuating circumstances may only be approved by the head principal

Honor Roll

PRINCIPAL'S HONOR ROLL—Students may earn the “Principal’s Honor Roll” designation by achieving a minimum 4.00 GPA for a nine-week grading period (semester at NCHS) and being enrolled in the minimum of 2.5 credits.

SCHOLASTIC HONOR ROLL—Students may earn the “Scholastic Honor Roll” designation by achieving a minimum 3.5–3.99 GPA for a nine-week grading period (semester at NCHS) and being enrolled in a minimum of 2.5 credits.

ACHIEVEMENT HONOR ROLL—Students may earn the “Achievement Honor Roll” designation by achieving a minimum 3.0–3.49 GPA for a nine-week grading period (semester at NCHS) and being enrolled in a minimum of 2.5 credits.

Grading System

A (Superior) 90-100
B (Above Average) 80-89
C (Average) 70-79
D (Below Average) 60-69
F (Failing) Below 60

National Honor Society Membership Qualifications

- Must be in 10th-12th grade
- 3.5 minimum cumulative grade point average
- Recommendation of two faculty members
- Participation in community service
- 2 or more Advanced or Honors courses each year
- Membership is determined by each school's National Honor Society charter

Hathaway Scholarship & Hathaway Success Curriculum

HIGH SCHOOL ELIGIBILITY REQUIREMENTS

Each level of the Hathaway Scholarship funding is achieved through different high school requirements.

Honors	Performance	Opportunity	Provisional
\$1,680 Max Award Amount Per Semester	\$1,260 Max Award Amount Per Semester	\$840 Max Award Amount Per Semester	\$840 Max Award Amount Per Semester
May be used at a WY community college or at UW	May be used at a WY community college or at UW	May be used at a WY community college or at UW	Must first be used at a WY community college. *
Language Arts 4 Years	Language Arts 4 Years	Language Arts 4 Years	Language Arts Current HS graduation requirements
Math 4 Years Algebra I, Algebra II, Geometry, and one "additional math" course (additional math must be taken in grades 9-12)	Math 4 Years Algebra I, Algebra II, Geometry, and one "additional math" course (additional math must be taken in grades 9-12)	Math 4 Years Algebra I, Algebra II, Geometry, and one "additional math" course (additional math must be taken in grades 9-12)	Math Current HS graduation requirements; at least 2 of these courses: Algebra I, Algebra II, Geometry
Social Studies 3 Years	Social Studies 3 Years	Social Studies 3 Years	Social Studies Current HS graduation requirements
Science 4 years One year may include an "additional science" course	Science 4 years One year may include an "additional science" course	Science 4 years One year may include an "additional science" course	Science Current HS graduation requirements
FPA or CTE or FL 4 years of either fine and performing arts, foreign language or career and technical education. 2 of the 4 years must be sequenced	FPA or CTE or FL 4 years of either fine and performing arts, foreign language or career and technical education. 2 of the 4 years must be sequenced	FPA or CTE or FL 2 years of either fine and performing arts, career and technical education, or foreign language (FL must be sequenced)	FPA or CTE or FL 2 years of either fine and performing arts, career and technical education, or foreign language (FL must be sequenced)
Hathaway GPA 3.5	Hathaway GPA 3.0	Hathaway GPA 2.5	Hathaway GPA 2.5
ACT Score 25	ACT Score 21	ACT Score 19	ACT Score 17 or WorkKeys® Score 12

*Wyoming High School Eligibility Requirements on [HathawayScholarship.org](https://hathawayscholarship.org/requirements/high-school/), accessed January 2024, <https://hathawayscholarship.org/requirements/high-school/>.

Definitions:

- **Hathaway Scholarship Levels** - The four levels (Honors, Performance, Opportunity, and Provisional) of the Wyoming College Scholarship funding students may achieve through the different high school requirements listed within the level.
- **Hathaway Success Curriculum** - The eligible courses that meet the identified Hathaway content area criteria to meet the course requirements.
- **Hathaway Honors Courses (5.0)** - The eligible courses (AP, IB, & All College Courses 1000+) that meet the criteria that only impact a student's Hathaway Weighted GPA (5.0). These courses do not need to be Hathaway Success Curriculum courses (i.e., College PE).

Career and Technical Education (CTE) Career Pathways

The National Career Clusters Framework is organized into Career Technical Education (CTE) programs, curriculum design, and instruction. There are 16 Career Clusters in the National Career Clusters Framework, representing 79 career pathways to help learners navigate to greater college and career success. The framework also functions as a useful guide in developing programs of study bridging secondary and postsecondary systems and creating individual student plans of study for a complete range of career options. As such, it helps learners discover their interests and

passions and empowers them to choose the educational pathway that can lead to success in high school, college, and career. Please use this link - [NCS D Career and Technical Career Pathways and Programs of Study](#) to see the courses in each program of study, industry-recognized credentials offered, and sample careers/jobs after graduation.

Within each of the Career Clusters, there are numerous Programs of Studies in which NCS D students can participate to reach an industry-recognized credential.

Career Cluster	Program of Study	School
Agriculture, Food, & Natural Resources	Agribusiness Systems	KW, NC
	Animal Systems	KW, NC
	Animal Systems - Vet Science	KW, NC
	Plant Systems	KW, NC
Architecture & Construction	Architectural Drafting	NC
	Construction	KW, NC, MW, RH
Arts, A/V Technology, & Communications	Journalism & Broadcasting	KW, NC
Business Management & Administration	Administrative Support	KW
Education & Training	Teaching/Training	KW, NC
Finance	Accounting	KW
Health Services	Support Services	KW, NC, MW, RH
	Therapeutic Services	KW, NC
Hospitality & Tourism	Restaurants & Food/Beverage Services-Management	KW, NC, RH
	Web & Digital Communications	KW
InformationTechnology	Network Systems	KW, NC
	Production	KW, NC
	Production-Metal	KW, NC, MW, RH
Manufacturing	Welding Fabrication	KW, NC
	Marketing Management	KW, NC
Marketing	Engineering & Technology	KW, NC, MW
	Science & Mathematics	NC
STEM	Facility & Mobile Equipment Maintenance - Brakes	KW, NC, RH
	Facility & Mobile Equipment Maintenance - Diesel	KW, NC
	Facility & Mobile Equipment Maintenance - Drivetrain	KW, NC, RH
	Facility & Mobile Equipment Maintenance - Engine	KW, NC
	Aeronautics/Aviation/Aerospace Science and Technology	KW, NC
Transportation, Distribution, & Logistics		

Within each of the Career Clusters, there are numerous Programs of Studies in which NCS D students can participate to reach an industry-recognized credential. The Wyoming Department of Education describes a career technical education program of study as “A high-quality program of study coordinates a sequence of academic and technical content that adheres to state standards; addresses academic knowledge and technical skills; progresses in specificity; includes multiple entry/exit points; and culminates with the acquisition of an industry-recognized credential (IRC).”

The Wyoming Department reviews the programs of study through a CTE Collection submitted through a data compilation each October. The review of the programs is to ensure guidelines are met for Perkins V funding, to qualify for the state funding model, education resource block grant, and for Hathaway CTE course approval.

College Courses (Dual/Concurrent /BOCES) & College Preparatory Information

A BOCES course is a Casper College course taken on the college campus, via the Internet, or at the high school. You receive high school credit and college credit for successfully completing these courses. The credits may be used in a core area or as an elective on your high school transcript. You will also receive an official Casper College transcript for these same courses.

BOCES will pay tuition and books for most courses offered by Casper College at the 1000 level or above (called dual credit courses; for some courses, you must meet a prerequisite). BOCES will not pay for private music studios, physical education, remedial 900 level courses, or community service-style classes. Other college courses are offered at the high schools (concurrent courses). Concurrent courses are noted in this directory. Jeana Lam-Pickett, BOCES Manager, is located at Casper College. She can be reached at (307) 268-3309 to answer any questions you may have or you can make an appointment to meet with her for advising at your high school.

High school juniors and seniors who are Natrona County residents, meet all course prerequisites, and are enrolled in at least one academic course (excluding Study Hall, Teachers Assistant, and Correspondence) may enroll in the BOCES program. Freshmen and sophomore students may take courses after contacting their counselor and the BOCES office, 268-3309, to confirm eligibility and then with the college instructor's permission. Instructors have the final say on admission. You will be considered a part-time college student responsible for scheduling adequate time to meet course assignments and attendance.

BOCES will pay for the tuition and books for one course during the summer semester for 9th-12th grade students, including the semester after graduating high school. 9th and 10th grade students: BOCES will pay the tuition and books for one course in the Fall and Spring semesters and one Summer course. 11th and 12th grade students: BOCES will pay for tuition and books for two courses in each of the Fall and Spring semesters in addition to the one Summer course.

Courses paid for through BOCES will apply to a student's transcript at both the high school and Casper College. If students pay for the course, they can choose whether or not to have the course placed on their high school transcript.

One credit hour of classes will be transferred as 0 high school credits. Two credit hour classes will be transferred as .5 high school credits. Three to five credit hour classes will be transferred as 1 high school credit.

Weighted grades are allowed only when the college course is an extension of a weighted class at the high school level (i.e., Calculus 2). Students who wish to have a class considered for honors credit/ weighted grading must make a request to the Principal before enrolling in the class. All other classes will receive Ranking Points as regular classes.

It is recommended that you meet with your high school counselor to discuss your class schedule and plans, then complete the BOCES enrollment form, gather all the necessary signatures (parent, counselor), and take it to the CC Enrollment Services.

Students must fill out the BOCES ACE registration form for the course to be paid for through the BOCES program. When you submit the form, they will give you the pink copy, which you can then take to the bookstore to pay for the books. The staff at the bookstore are happy to help you identify which books you need. They will bill BOCES for the books.

To enroll in certain Math, English, or Science courses, you will need to meet prerequisite scores on the ACT. If you have not taken the ACT or failed to meet the prerequisite score, CC Student Services, 268-2201, provides the Tailwind English and Math placement exams (\$8 per exam) that may qualify you for the specific course.

BOCES will pay tuition and books for one course at Casper College during the summer immediately after graduation. This course may be remedial (800-900 level) and is the only exception to the rule in #3 above.

BOCES students are not fully admitted college students, and if they wish to attend Casper College after high school graduation, they MUST apply for admission during their senior year.

Courses listed with the BOCES symbol are potential offerings. Please contact your high school counselor with any questions.

Transcripts from BOCES Program

Every dual and concurrent enrollment course will be recorded on an official Casper College transcript and your high school transcript. This Casper College transcript will follow you throughout your college career, so it is very important to take these courses seriously!

After high school, the student must request that an official Casper College transcript be sent to whatever college he/she attends. The credits will not automatically transfer.

To request a transcript, you can complete a form in the admissions office at Casper College or online through the MCC info portal. The best time to do this is during the summer after high school.

Credits may or may not transfer depending on each institution's policies. Before selecting your dual enrollment courses, you should check with the college you plan to attend.

Factors Influencing College Admission

Each year, the National Association for College Admission Counseling (NACAC) and the College Board surveys colleges and universities to determine the top factors influencing admission decisions. The following factors, in order of importance, were:

- | | |
|--|-------------------------------|
| 1. Grades in College Prep Courses | 7. Class Rank |
| 2. Grades in All Courses | 8. Extracurricular Activities |
| 3. Strength of Curriculum | 9. Volunteering |
| 4. Essay/Personal statement | 10. Work |
| 5. Subject Test Scores (AP, IB) & ACT Scores | 11. Demonstrated Interest |
| 6. Teacher/Counselor Letters of Recommendation | |

Recommended College Preparatory Classes

Colleges vary in individual requirements. Parents and students are responsible for becoming familiar with the requirements of the particular college to which they plan to apply. Students should see their counselor if they need assistance in this area.

Major universities require or recommend the following areas of study during grades 9 through 12:

Language Arts	4 credits
Social Studies	3 credits
Mathematics (Including Algebra I, II, and Geometry)	4 credits
Science	4 credits
Foreign Language (min. 2 years of the same language)	2 credits
Fine Arts Courses (Music, Art, Drama)	1 credit (at least)
Computer Related Courses	

Extracurricular:

- Find activities, both in and out of school, that you enjoy and that provide an outlet for your non-academic side.
- Go for quality rather than quantity. Colleges admire students who put significant effort into one or two activities rather than students who put little time into many activities.

AP - Advanced Placement Courses (Kelly Walsh High School)



Kelly Walsh Advanced Placement (AP®) Program

41 KWHS students earned AP Scholar Awards in 2022 in recognition of their exceptional achievement on AP Exams. In the 2022-23 school year, KWHS has 217 AP students and will be giving 339 exams.

The percentage of KWHS students scoring a 3 or better on exams is higher than the state and global averages!

Why AP?

College-bound students should consider taking one or more AP courses. *Research shows students completing one or more AP courses, regardless of their GPA, do better in college than those never taking AP courses (www.collegeboard.com).*

- AP enables students to pursue college-level studies while still in high school
- AP students are much more likely to graduate college within 4 years
- Possible to offset some college costs by earning credit through AP & completing a degree in 4 years
- Current & former KWHS AP students highly recommend AP
- Former KWHS AP students report being better prepared than their classmates in college
- Two or more Advanced Placement Courses in high school = 82% graduation rate from college
- There is NO fee to take an AP Exam at KWHS; NCSD #1 pays the \$94 exam fee

Advanced Placement Exams

Certain advanced courses in the high school program are designated Advanced Placement. The Educational Testing Service scores the Advanced Placement examinations each May on a standardized national test day. Each examination receives an overall score on a five-point scale:

- 5 points = extremely well qualified
- 4 points = well qualified
- 3 points = qualified
- 2 points = possibly qualified
- 1 point = no recommendation

Each college decides which AP Examination scores it will accept. Some colleges accept scores of 3 or better and give the student credit as if that person had taken one or more basic courses in the subject tested. College credit is sometimes not given, but the necessity of taking basic courses is waived.

Students can check individual colleges' AP credit policy at CollegeBoard.org.

AP Courses Offered at KWHS

AP Course	Grade	Prerequisite
AP Calculus AB (Calculus 1)	10, 11, 12	Pre-Calculus Honors
AP Calculus BC (Calculus 2)	10, 11, 12	Calculus AB
AP Statistics	10, 11, 12	Teacher Recommendation
AP Computer Science A (JAVA)	11, 12	Teacher Recommendation
AP Computer Science Principles	10, 11, 12	Teacher Recommendation
AP Chemistry (Chemistry 3)	11, 12	Chemistry 1 A or Chemistry 2A
AP Biology	11, 12	Biology 1 Advanced
AP Physics C	11, 12	Calculus Based
AP European History	11, 12	Teacher Recommendation
AP United States History	10, 11, 12	Teacher Recommendation
AP U.S. Government & Politics	11, 12	Teacher Recommendation
AP Comparative Government	10, 11, 12	Teacher Recommendation
AP Psychology	11, 12	Teacher Recommendation
AP English Literature & Composition	11, 12	Teacher Recommendation
AP English Language & Composition	12	Teacher Recommendation
AP Music Theory	9, 10, 11, 12	Teacher Recommendation

FAQ: What if I do not score a 3, 4, or 5 on my AP Exam? Will this hurt my KWHS class grade or prevent me from receiving KWHS credit?

Answer: NO! While students are encouraged to perform their best on AP Exams, earning less than a three (3) will NOT affect your KWHS class grade or credit.

FAQ: Can a course be both AP & BOCES?

Answer: English Language, Computer Science A, and Statistics are also dual credit BOCES classes.

For more information, go to www.collegeboard.com, contact the KWHS teacher, or contact the KWHS AP Coordinator at casey_schell@natronaschools.org or 307-253-2190.

IB - International Baccalaureate Courses (Natrona County High School)



What is the IB Diploma Programme?

The International Baccalaureate (IB) Diploma Program at Natrona County High School offers a comprehensive, rigorous two-year course of study for highly motivated students in grades 11 and 12, culminating in a diploma (providing requirements are met) that is recognized and respected by universities worldwide. IB students are provided a balanced education that promotes international understanding and appreciation. The IB Program emphasizes the development of the whole student physically, intellectually, emotionally, and ethically. Through their participation, IB Diploma Candidates acquire the skills and discipline required to be successful both in college and in the highly competitive world beyond.

The Curriculum

Students interested in the IB Programme should communicate with their counselor at NCHS prior to the start of the student's freshman year. The IB Diploma Programme requires seven (7) courses per year to earn the diploma. Courses will be taken in 6 areas: Language, World Language, History, Science, Math, and the Arts. Students will also take Theory of Knowledge and be required to complete CAS (creativity, activity, and service) experiences and an Extended Essay. The IB Diploma is recommended for high-achieving students who score in the 80th percentile or above on standardized tests.

Assessment

Students take written examinations at the end of the programme, which are marked by external IB examiners. Students also complete assessment tasks in the school, which are either initially marked by teachers and then moderated by external moderators or sent directly to external examiners. The marks awarded for each course range from 1 (lowest) to 7 (highest). Students can also be awarded up to three additional points for their combined results on the theory of knowledge and the extended essay. The diploma is awarded to students who gain at least 24 points, subject to certain minimum levels of performance across the whole programme and to the satisfactory completion of the Extended Essay and of CAS experiences. Assessment is criterion-based, which means student performance is measured against pre-specified assessment criteria based on the aims and objectives of each subject curriculum rather than the performance of other students taking the same examinations. Statistically, the range of scores that students have attained have remained stable, and universities value the rigour and consistency of Diploma Programme assessment practice.

International Baccalaureate Certificate Track

Students also have the option to register and test in any number of individual IB subject areas as well.

IB PLAN

9th Grade English I Advanced Physical Science Advanced US History Advanced Geometry H Spanish or French Freshman Physical Education	10th Grade English II Honors Scientific Research & Design Modern US History Honors Algebra II H Spanish or French or Russian Financial Literacy
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11th Grade IB Language A I (English) IB History I IB Biology or IB Chemistry or IB ES&S IB Pre-Calculus IB Language B (Foreign Language) Theory of Knowledge Jr (6th Area)	12th Grade IB Language A IV H (English) IB History II IB Biology II or IB Chemistry II or science elective IB Math A & I or IB Math A & A IB Language B (Foreign Language) Theory of Knowledge Sr (6th Area)
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Students taking Algebra I in 9th grade will need to either or take both Geometry and Algebra II during 10th grade.

Graduation requirements also include a second full credit of Physical Education and a full credit of Financial Literacy. Because pursuing the full IB Diploma leaves little room for electives, students who are anticipating pursuing the IB Diploma are allowed to take Financial Literacy during their sophomore year.

Higher Level Exams: Standard Level Exams: Other Requirements:

- | | |
|---------------------|--|
| 1. IB Language A IV | 1. IB Math A & I or A & A Extended Essay |
| 2. IB History | 2. CAS |
| 3. | 3. |

Higher Level: Biology, Chemistry, Psychology, Foreign Language (Spanish, French or Russian)

Standard Level: Biology, Chemistry, Environmental Systems & Societies, Psychology, World Religion, Foreign Language (Spanish, French or Russian), Art, Anthropology

Further information can be obtained from Brandi Ramage, brandi_ramage@natronaschools.org

Athletics & Activities Eligibility Information

Please refer to the [NCS D Student/Parent Handbook \(2023-24\)](#) for the following information:

- Athletics & Activities Eligibility
- Wyoming High School Activities Association Eligibility Requirements
- Open Enrollment/Schools of Choice Athletic/Activity Participation for Grades 6-12 Definition of Undue Influence

NCAA / NAIA / NJCAA Eligibility

Planning to Participate in Sports in College?

Students are responsible for communicating with their coach and counselor.

NCAA Athletic Eligibility

The National Collegiate Athletic Association (NCAA) is the largest and most well-known governing body for college sports in the United States. All students planning to enroll in college as freshmen and wanting to participate in Division I or Division II athletics must be certified by the NCAA Eligibility Center (Please reference the eligibility requirements at the [NCAA Eligibility Center](#)).

- **Division I:** Often regarded as the highest level of competition within the NCAA, Division I schools are typically large, well-funded institutions with significant athletic programs. Scholarships at the Division I level are highly competitive, and athletes must meet rigorous academic and athletic standards to be considered for a scholarship. Division I schools can offer full-ride scholarships covering tuition, room and board, and other expenses.
- **Division II:** Division II schools are typically slightly smaller than Division I but still offer highly competitive athletic programs. Scholarships at the Division II level are also highly competitive, but athletes may be able to secure partial scholarships to cover a portion of their expenses.
- **Division III:** Division III schools do not offer athletic scholarships, but they do offer financial aid packages to student-athletes based on their academic achievements and financial need. Division III schools are typically smaller, liberal arts institutions prioritizing academics over athletics.

NAIA Athletic Eligibility

The National Association of Intercollegiate Athletics (NAIA) is another governing body for four-year college sports in the United States. Unlike the NCAA, the NAIA does not have divisions. Instead, the NAIA offers scholarships based on sport-specific equivalency, which means that scholarships can be split among multiple athletes in a given sport. The NAIA Eligibility Center is responsible for determining the NAIA eligibility of first-time student-athletes. Any student playing NAIA sports for the first time must meet the eligibility requirements (Please reference the eligibility requirements at the [NAIA Eligibility Center](#)).

NJCAA

National Junior College Athletic Association (NJCAA) governs two-year colleges and junior colleges in the United States. The NJCAA is divided into three divisions based on the level of competition and the size of the school (Please reference the eligibility requirements at the [NJCAA Eligibility](#)):

- **Division I:** Division I schools are typically larger institutions with very competitive athletic programs. Scholarships at the Division I level are highly competitive and can cover tuition, room and board, and other expenses.
- **Division II:** Division II schools are typically slightly smaller than their Division I counterparts but still offer very competitive athletic programs. Scholarships at the Division II level are also highly competitive, and athletes are able to secure partial scholarships to cover a portion of their expenses.
- **Division III:** Division III schools do not offer athletic scholarships, but they do offer financial aid packages to student-athletes based on their academic achievements and financial need. Division III schools are typically smaller community colleges that prioritize academics over athletics.

NCAA / NAIA / NJCAA - NCS D Contacts:

- **Kelly Walsh High School:** Mike Britt, Principal, and Marial Choma, Counselor
- **Natrona County High School:** Spencer Cantrell, Athletics Director, and Cari Langley, Counselor
- **Midwest High School:** Matt Korkow, Principal, and Mercedes Lindsay, Registrar

Dual Language Immersion (DLI) Transition Process

Dual Language Immersion is a parent choice program that begins in kindergarten and then continues into middle school. At the high school level, the DLI program ends, but students can continue their world language journey at both Kelly Walsh High School and Natrona County High School. There are certain courses that are offered at the Pathway Innovation Center (PIC) for district accessibility at one central location.

At the end of the 8th-grade year, students in DLI programs will take a college-level placement assessment that will measure the student's proficiency in the target language. This assessment informs a student's class placement in the respective DLI program and collegiate placement standards.

Spanish Pathway

Students will take the College-Level Examination Program (CLEP) exam during a scheduled time at Casper College as scheduled by Dean Morgan Middle School. This usually takes place in mid to late April. NCS D pays for the assessment for DLI students. The exam will inform students which class in the pathway they are best suited to start based on their proficiency level. Students will enroll in the qualifying corresponding course as identified by the CLEP in their 9th grade year and then will progress through the pathway sequentially.

1. SPAN 1010 - Spanish II - 4 credits college credits

- SPAN 1020 - Spanish III – 4 credits college credits
- SPAN 2030 Spanish IV - 4 credits college credits
- SPAN 2040 - Spanish V - 4 credits college credits- This course counts toward a minor (18 credits) or Major (31 credits)
- SPAN 2140 - Introduction to Reading/Composition and Conversation (3CR)
- SPAN 2220 - Intermediate Composition and Conversation (3CR)
- With a possibility of more offerings articulated with the University of Wyoming.

Chinese Pathway

Students will take the Foreign Language Achievement Testing Services (FLATS) exam during a scheduled time at Casper College as scheduled by CY Middle School. This usually takes place in mid to late April. NCSD pays for the assessment for DLI students. The exam will inform students which class in the pathway they are best suited to start based on their proficiency level. Students will enroll in the qualifying corresponding course identified by the FLATS in their 9th-grade year and then will progress through the pathway sequentially.

- Pre AP Chinese / AP Chinese - If students do not test into a college-level course or are not ready for the rigors of a college course, they may take these classes. The Pre AP Chinese/AP Chinese track is a two-year commitment. This class is offered at PIC.
- LANG - 4975-II - 3 credit hours. - Prerequisite: Students must show proficiency for college level courses as demonstrated on the FLATS assessment. This course counts toward a minor (18 credits). This class is an asynchronous class taught by the University of Wyoming.
- CHIN 2040 - 4 credits - Prerequisite: Students must pass LANG 4975-II to be enrolled in this course or have approval of the instructor. This course counts toward a minor (18 credits). This class is an asynchronous class taught by the University of Wyoming.
- CHIN 3055 - 3 credits - Prerequisite: Students must pass CHIN 2040 to be enrolled in this course or have approval of the instructor. This course counts toward a minor (18 credits). This class is an asynchronous class taught by the University of Wyoming.
- LANG 4975-III - 3 credit hours. Prerequisite: Students must pass CHIN 3055 to be enrolled in this course or have approval of the instructor. This course counts toward a minor (18 credits). This class is an asynchronous class taught by the University of Wyoming.
- LANG 4800-I - 3 credit hours. Prerequisite: Students must pass LANG 4975-III to be enrolled in this course or have approval of the instructor. This course counts toward a minor (18 credits). This class is an asynchronous class taught by the University of Wyoming.
- LANG 4800-II - 3 credit hours. Prerequisite: Students must pass LANG 4800-I to be enrolled in this course or have approval of the instructor. This course counts toward a minor (18 credits). This class is an asynchronous class taught by the University of Wyoming.
- NCSD will pay for 7 semester courses for students.

Note - Students wanting to take courses outside the outlined pathway will need to follow the procedures outlined in Course Substitutions for all NCSD High Schools under NCSD Class Rank / Grading.

Foreign Exchange

There are limitations and requirements for foreign exchange students attending NCSD secondary/high schools (grades nine through twelve). Eligibility requirements must be met prior to enrollment.

Eligibility

Eligible students must utilize a Foreign Exchange Student Program to be considered for enrollment. Students must be between the ages of 16-18 by Sept 1st of the school year in which he/she plans to attend NCSD #1. The eligibility process also includes evidence of good health and a current immunization record.

Academic Records

A transcript is required that shows the student is prepared academically. This document must include evidence showing proficiency in the ability to communicate (written and spoken) using the English language. Students will only be registered for a full academic year (Fall to Spring), placed in the most appropriate grade level that most closely matches the grade in which the student would have been placed in his/her country of origin. High school diplomas are not granted to students participating in the exchange system.

Please contact the school's principal or see [Administrative Regulation 5130](#) for additional information.

District Assessment System

Natrona County School District's K-12 assessment system measures student's progress toward the Wyoming Content and Performance Standards. The District Assessment System is a statutory requirement in the state of Wyoming. The Natrona County School District system consists of four levels: 1) Classroom Level, 2) School Level, 3) District Level, and 4) State Level. These four levels work in conjunction to support learning and teaching in our schools. The K-12 District Assessment System (DAS) aims to ensure equity of opportunity for students by demonstrating alignment of district assessments in content and cognitive complexity to the Wyoming Content and Performance Standards in all content areas.

The District Assessment System was developed by NCSA Subject Area Committee members using a systematic process aligned with the published district Curriculum.

For the 2023-24 school year, district assessments will be administered in the following content areas:

Math

H.S. Algebra I: 3 assessments, Algebra II and Geometry: 2 assessments (end of course)

English Language Arts

9-12: Proficiency Scales and Assessments (1 per grade)

Health

9-12: Proficiency Scale and Assessment (Grade 9)

Fine and Performing Arts

9-12: Proficiency Scales and Assessments (1-3 per course)

Physical Education

9-12: Proficiency Scales and Assessments (1 per course)

Social Studies

9-12: Proficiency Scales and Assessments (1-2 per course)

World Language

9-12: Proficiency Scales and Assessments (1-3 per course in level 1 & 2)

Career Vocational Education

9-12: Proficiency Scales and Assessments (1-2 per course)

Science

Physical Science and Biology: 3 assessments (end of course)

Environmental Science and Chemistry: 2 assessments (end of course)

Computer Science

9-12 Computer Programming 1 (2 per course)

9-12 Principles of Computer Science (2 per course)

Nondiscrimination Policy

NCSA #1 does not discriminate on the basis of race, color, national origin, sex, age, religion, sexual orientation, or disability in employment, treatment, admission, or access to educational programs and activities.

The lack of English language skills shall not be a barrier to admission or participation in the activities and programs. Natrona County School District does not discriminate in its hiring or employment practices. This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990.

Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator(s). The following person(s) have been designated to handle inquiries regarding the Non-Discrimination Policies of Natrona County School District.

504 Coordinator - Todd Burns
970 N. Glenn Rd., Casper, WY 82601, or (307) 253-5445
todd_burns@natronaschools.org

Title IX Coordinator - Dillon Fuller
970 N. Glenn Rd., Casper, WY 82601, or (307) 253-5445
dillon_fuller@natronaschools.org

You may also contact:

The Wyoming Department of Education, Office for Civil Rights Coordinator, 2300 Capitol Avenue, Cheyenne, WY 82002-0050, or (307) 777-7673

Course Catalog Guide

Course Catalog Guide

COURSE KEY

Course Number (Master SCED - 00000X)

The number is unique for each course, and the letter found at the end of the course signifies the following:

- "G" indicates a "General" course
- "E" indicates an "NCSD Advanced" course
- "H" indicates an "NCSD Honors" course
- "B" indicates an "NCSD Remedial or Special Education" course

A course that has four (4) letters and then numbers (Master SCED - XXXX0000) signifies a course that is eligible for college credit.

CONTENT AREA

The courses listed for each high school are best organized by selecting one of the desired Content Areas (-Any-).

- Computer Science (CS)
- Career Technical Education (CTE)
- English Language Arts (ELA)
- Fine & Performing Arts (FA)
- Mathematics (MA)
- Other (OT)
- Physical Education / Health (PE)
- Science (SC)
- Social Studies (SS)
- World Language (FL)

OPPORTUNITIES

Course Information

Additional course information can be found by clicking on any course name. Course Descriptions, Weightedness, Credit, and Course Designations (i.e., Hathaway, NCSD Ranking, NCAA Eligibility, etc.) specific to each course can be found in this section.

REGISTRATION PROCESS

Course Offerings

The courses listed for each high school are best organized by selecting one of the desired content areas (-Any-). These courses will be offered according to enrollment minimums. Insufficient registration numbers may result in course cancellations, requiring students to make alternate selections.

Registration Materials

The counselors will explain the registration process and the time at which registration materials will be distributed. Students will have a scheduled day on which to complete the registration process.

Transfer Student Registration

Students transferring from another school may enter their new school for credit in classes that we can match as long as the time since withdrawing from the previous school does not exceed 12 school days. An administrator may grant exceptions for extenuating circumstances.

SCHEDULE ADJUSTMENTS

Class schedules are developed with information from student requests made during spring registration. Choose your courses wisely, as you may be unable to adjust your schedule. Changes will require a valid reason, parent signature, and counselor approval.

Administrative Adjustment

The principal may remove students from courses for disciplinary reasons. Students requesting changes that involve unusual or special consideration must have these changes approved by a principal.

FEES

The fees charged for some courses are suggested to help pay for consumable materials used in the course. However, students should not be deterred from registering for these courses if this fee is a hardship for their family. Please get in touch with the school Principal for information on assistance with fees.

High Schools

High Schools

Kelly Walsh High School Principal: Mike Britt 3500 E. 12th, Casper 82609 307-253-2000	Natrona County High School Principal: Aaron Wilson 930 S. Elm, Casper 82601 307-253-1700
Midwest High School Principal: Matt Korkow 256 Lewis, Midwest 82643 307-253-3500	Roosevelt High School Principal: Bryan Honken 3000 Independence Ct., Casper 82601 307-253-1400
Pathways Innovation Center (P.I.C.) On-site Assistant Principal: Chris Usry 3000 Independence Ct., Casper 82604 307-253-1450	

NCSD Administrative Cabinet

NCSD Administrative Cabinet

Michael Jennings Superintendent	Angela Hensley Superintendent Elect & Associate Superintendent	Walt Wilcox Associate Superintendent	Amy Rose Associate Superintendent Elect
Steve Ellbogen Executive Director	Dr. Charlotte Gilbar Executive Director	Dr. Trevor Mahlum Executive Director	Angie Hayes Executive Director
Matt Flett Chief Financial Officer			

Kelly Walsh High School Courses

Kelly Walsh High School Courses

Accounting A

Currently Available

This Accounting Advanced course is essential to running your own business as they introduce the practice of recording, classifying, and reporting business transactions. Course content includes the full accounting cycle which is useful background knowledge for a successful transition to college business courses and/or entrepreneurship.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Adapted Physical Education B

Currently Available

This pull-out class provides small group and individual instruction in physical education skills and modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Ag & Natural Resources Comp

Currently Available

Agriculture and Natural Resources—Comprehensive courses cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. They may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Agribusiness Management (Locations: PIC, NC, KW)

Currently Available

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

Content Area

Career & Technical Education (CTE)

Grade Level 12

Agriculture/Comprehensive

Currently Available

Agriculture—Comprehensive courses cover a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. They may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Algebra I

Currently Available

Algebra I will focus on these critical areas: expressions, equations, and functions, linear equations and functions, linear inequalities, systems of linear equalities, exponential equations and functions, quadratic expressions and equations, radical functions and geometry, and statistics and probability.

In Algebra I, instructional time should focus on seven critical areas: (1) Solving multi-step equations and inequalities; (2) Evaluating and recognizing function types (linear, quadratic, exponential) and their characteristics; (3) Graphing linear functions from multiple representations and interpreting the rate of change; (4) Solving linear systems using multiple methods; (5) Representing univariate data; (6) Using properties of exponents to simplify expressions (including rational exponents); and (7) Performing basic operations with polynomials.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Algebra II

Currently Available

Algebra II will focus on these critical areas: equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, inverses and radical functions and relations, exponential and logarithmic functions and relations.

In Algebra II, instructional time should focus on five critical areas: (1) Absolute Value Functions, (2) Quadratic Functions, (3) Polynomial Functions, (4) Radical Functions, and (5) Exponential/Logarithmic Functions.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Algebra II H

Currently Available

Algebra II Honors rigorously focuses on the critical areas: equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, inverses and radical functions and relations, exponential and logarithmic functions and relations. This course also includes statistics and probability, trigonometric functions and relations.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

American Sign Language I

Currently Available

This advanced course provides enriched intermediate level instruction in ASL vocabulary, grammar, fingerspelling, deaf history, and deaf culture. Emphasis is placed on developing receptive, expressive language skills, and storytelling within the parameters of sign language. Discussions focus on deafness, current events and related topics within this language.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

American Sign Language II

Currently Available

This advanced course provides enriched intermediate level instruction in ASL vocabulary, grammar, fingerspelling, deaf history, and deaf culture. Emphasis is placed on developing receptive, expressive language skills, and storytelling within the parameters of sign language. Discussions focus on deafness, current events and related topics within this language.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Anatomy & Physiology H

Currently Available

Anatomy and Physiology Honors is offered to students who want a greater understanding of the structure and function of the human body. Students will be expected to learn and demonstrate laboratory skills including dissections of organs and small mammals. Students will be expected to demonstrate student directed college-level laboratory experiments.

Content Area

Science (SC)

Grade Level 11, 12

Anatomy & Physiology (Locations: PIC, KW, MW, RHS)

Currently Available

Anatomy and Physiology is offered to students to understand the structure of the human body and its functions. Students learn anatomical terminology, cells, tissues, organs and functional systems.

Content Area

Science (SC)

Grade Level 11, 12

Animal Production/Science (Location: PIC)

Currently Available

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

AP Biology H

Currently Available

This AP course is designed to parallel college-level introductory biology courses. AP Biology courses stress relationships among major biological concepts and themes. AP Biology courses include student directed college-level laboratory experiments.

Content Area

Science (SC)

Grade Level 11, 12

AP Calculus AB

Currently Available

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus; and integral calculus.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

AP Calculus BC H

Currently Available

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC courses provide students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also require additional knowledge of the theoretical tools of calculus. These courses assume a thorough knowledge of elementary functions, and cover all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations, and polar coordinates; rigorous definitions of finite and nonexistent limits; derivatives of vector functions and parametrically defined functions; advanced techniques of integration and advanced applications of the definite integral; and sequences and series.

Content Area

Mathematics (MA)

Grade Level 11, 12

AP Chemistry H

Currently Available

AP Chemistry courses follow high school chemistry. Topics covered may include; chemical bonding; nuclear chemistry; states of matter; and reactions. This class will be required to meet at Casper College once a week with a Chemistry professor during regularly scheduled class time.

Content Area

Science (SC)

Grade Level 11, 12

AP Chinese Language & Culture. (Location: PIC)

Currently Available

Designed by the College Board to parallel Fourth semester college-level courses in Mandarin Chinese language, AP Chinese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

AP Computer Science A H

Currently Available

Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A courses provide students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. These courses cover such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 10, 11, 12

AP Computer Science Principles

Currently Available

AP Computer Science Principles is an introductory course that introduces students to computer programming, the internet, cyber security concerns, and the impacts of computing technology. This course focuses on seven big ideas which are: creativity, abstraction, data and information, algorithms, programming, the Internet, and global impact. It is taught using six computational thinking practices; connecting computing, creating computational artifacts, abstraction, analyzing problems and artifacts, communicating, and collaborating

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 10, 11, 12

AP English Language & Comp H

Currently Available

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering subjects that are intended for various purposes.

Content Area

English Language Arts (ELA)

Grade Level 11, 12

AP English Literature & Comp H

Currently Available

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.

Content Area

English Language Arts (ELA)

Grade Level 11, 12

AP European History

Currently Available

The study of European history from 1450 (High Renaissance) to the present introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. The goals of the AP program in European History are to develop 1) an understanding of some of the principal themes in modern European History, 2) an ability to analyze historical evidence and historical interpretation, and 3) an ability to express historical understanding in writing. The opportunity to take the AP Exam will be available at the end of the course. Light summer reading required.

Content Area

Social Studies (SS)

Grade Level 11, 12

AP Music Theory H

Currently Available

AP Music Theory courses are designed to be the equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

AP Physics C H

Currently Available

AP Physics is a college-level, calculus-based course. Content includes motion, forces, energy, momentum, circular motion, gravitation, and periodic motion. This is a lab-based class

Content Area

Science (SC)

Grade Level 11, 12

AP Psychology H

Currently Available

This is an AP accelerated course to prepare students for college level work, critical thinking skills, and a deeper understanding of the numerous influences on human and animal behavior and mental processes. All students will be prepared to successfully pass the AP Psychology Exam in May 2017. Using a wide variety of classroom activities, the following topics will be studied: History of Psychology, Scientific Method & Research Methods, Neuroscience, Nature/Nurture Debate, Sensation & Perception, States of Consciousness, Learning, Memory, Cognition, Intelligence & Language, Psychological Disorders & Treatments, and Social Psychology.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

AP Statistics H

Currently Available

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

Content Area

Mathematics (MA)

Grade Level 11, 12

AP US Government & Politics H

Currently Available

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses. These courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The courses generally cover the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy processes of national government, and civil rights and liberties. Light summer reading required.

Content Area

Social Studies (SS)

Grade Level 11, 12

AP US History H

Currently Available

This advanced placement course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses. Students should learn to assess historical materials - their relevance to a given interpretive problem, their reliability, and their importance - and to weigh the evidence and interpretations presented in historical scholarship. This course is a comprehensive study of American History from the arrival of European Explorers in the 15th century to the present. The opportunity to take the AP Exam will be available at the end of the course. Light summer reading required.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Apparel & Textiles Services (Location: PIC)

Currently Available

This course expands upon various services that concern the care and maintenance of apparel, textiles, and home accessories. Course topics may include upholstery, dry cleaning, commercial sewing, production of fabrics and/or garments, theatrical costume design, and tailoring.

This course is equivalent to Sewing III.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Apparel Construction (Location: PIC)

Currently Available

This course provides students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, costume design, and business management. **This course is equivalent to Sewing II.**

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Aquatics/Water Sports I

Currently Available

Aquatic/Water Sports courses help students develop skills useful or necessary in an aquatic environment. They may focus on swimming and competitive strokes, such as freestyle, breaststroke, butterfly, and so on or may involve team-oriented water sports such as water polo and relay swimming. These courses may also include (or concentrate exclusively on) diving and/or lifesaving skills. This course meets the NCSDE #1 Physical Education Standards. This class may be repeated for credit.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Aquatics/Water Sports II A

Currently Available

Advanced Aquatic/Water Sports II continues to build on the content and skills addressed in Aquatics/Water Sports I.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Art Exploratory (Location: PIC)

Currently Available

The students are introduced to three visual art media. This course is intended to introduce students to beginning visual art concepts. The aim of this course is to provide students with the opportunity to explore the visual arts with the goal of potentially more students taking advanced visual art courses.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Astronomy A (Location: PIC)

Currently Available

Astronomy Advance courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomical instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

Content Area

Science (SC)

Grade Level 9, 10, 11, 12

Auto Brakes and Suspension (Locations: PIC, RHS)

Currently Available

This advance course will focus on the various types of brake. It will consist of rigorous instruction and student involvement in many various forms. Students will work with cutting edge training aides and will perform actual work in the lab. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Drivetrain and Axles. (Locations: PIC)

Currently Available

Auto Drivetrain and Axles students will learn about vehicle drivetrains which include transmissions and transfer cases, axles, CV and U-joints, Drivelines and transaxles. Students will be involved in various learning activities ranging from state of the art teaching and lab aides to classroom instruction. Lab work will be rigorous and real. All activities will be ASE aligned. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Electricity and Electronics/Engine Performance (Locations: PIC, RHS)

Currently Available

Auto Electricity and Electronics/ Engine Performance is an advanced course that will focus on the ASE areas of Electricity and Electronics and Engine Performance. Students will learn about reviewing basic electricity from Auto I and then move on to Advanced Electricity/ Electronics. Learning will happen on state of the art trainers and through lab instruction. Classroom instruction will be industry based and aligned with ASE tests and Standards. Engine performance will focus on driveability concerns with emphasis on OBD II computer systems and diagnosis. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Auto I

Currently Available

Auto I will focus on basic auto maintenance and servicing. Students will be introduced to all systems of the automobile and the maintenance required. Students will also learn about basic electrical system function and service. Students will learn about their cars through many different teaching styles. We will use classroom instruction for introducing material and use training aids for most topics. Students will also have the opportunity to work on their own cars in a modern shop fully equipped with diagnostic equipment and tools.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Biology

Currently Available

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include biochemistry, ecology, evolution, genetics, cell structure and function.

Content Area

Science (SC)

Grade Level 10, 11, 12

Biology A

Currently Available

This Biology Advanced course is designed to provide information regarding the fundamental concepts of life and life processes. This courses include biochemistry, ecology, evolution, genetics, cell structure and function. Students must exhibit excellent reading, writing, and study skills.

Content Area

Science (SC)

Grade Level 10, 11, 12

Biotechnology - Biology IA

Currently Available

Biotechnology Advanced courses are designed to provide students concepts regarding the fundamental concepts of life and life processes and how technology can change the world. Students will be expected to work in small groups to solve real problems.

Content Area

Science (SC)

Grade Level 10, 11, 12

C++ Programming

Currently Available

C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problem- solving techniques. More advanced topics may include multi-dimensional arrays, functions, and records.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

C++ Programming H

Currently Available

C++ Programming Honors courses provide an enriched opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problem- solving techniques. Topics may include multi-dimensional arrays, functions, files, vectors, points and classes

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Cabinetmaking I (Locations: PIC, KW)

Currently Available

Cabinet Making courses provide students with an advanced-level experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Career Exploration in Public & Professional Services

Currently Available

Students will explore the wide variety of occupational pathways to assist them in making informed career decisions. The course will also focus on technology-based research tools, computer literacy skills, and both writing and speaking skills.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Chamber Orchestra

Currently Available

This group performs challenging string orchestra literature and studies music theory as it applies to the orchestral musician. It will focus on small as well large ensemble playing. Performances are required, graded events.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Chemistry (Locations: PIC, KW, NC, MW)

Currently Available

Chemistry courses involve studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied.

Content Area

Science (SC)

Grade Level 10, 11, 12

Chemistry A

Currently Available

Chemistry Advance courses involve intensive studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied. Students are expected to conduct independent research on some of the topics

Content Area

Science (SC)

Grade Level 10, 11, 12

Chemistry Independent Study

Currently Available

This advanced course will build upon a foundation of Chemistry knowledge to prepare students to work in a chemical laboratory. The class will focus instruction on laboratory safety, and lab preparatory work. Students will complete a Flinn safety course and will prepare labs and solutions for instructors when needed.

Content Area

Science (SC)

Grade Level 11, 12

Chemistry-Advanced Studies A

Currently Available

Chemistry-Advanced Studies courses involve studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied in more detail. It is usually taken after a comprehensive initial study of chemistry,

Content Area

Science (SC)

Grade Level 11, 12

Child Development/Parenting

Currently Available

This course is intended to provide students with detailed knowledge of how children grow and develop, how to care for them, and to give students practical experience in observing and working with preschool children, and planning activities for them. Course content includes pregnancy and birth processes; responsibilities and difficulties of parenthood; healthy family structure; fundamentals of children's physical, emotional and social development.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Chorus I

Currently Available

Chorus courses provide the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing part

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Chorus II

Currently Available

Chorus II courses provide advanced students the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing parts

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Chorus III

Currently Available

Chorus III courses provide advanced students the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing parts.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

CISCO Cyber Security

Currently Available

Students will explore Cybersecurity Essentials and Operations as part of the Cisco Networking Academy Courses (in preparation for Cisco Security Certification). Mastery topics include: security concepts, techniques, protection, future issues, cybersecurity cube, threats and vulnerabilities, secrets, integrity, 5 of 9 concepts, domains, and specialists

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

CISCO I

Currently Available

Router Basics courses teach students about router components, start-up, and configuration using CISCO routers, switches, and the IOS (Internetwork Operation System). These courses also cover such topics as TCP/IP protocol, IP addressing, subnet masks, and network troubleshooting.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

CISCO II & III

Currently Available

Wide Area Telecommunications and Networking courses provide students with the knowledge and skills to enable them to design Wide Area Networks (WANs) using ISDN, Frame-Relay, and PPP. Students gain knowledge and skills in network management and maintenance and develop expertise in troubleshooting and assessing the adequacy of network configuration to meet changing conditions.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Clothing and Textiles (Locations: PIC, NC)

Currently Available

This course introduces students to various aspects of apparel and home furnishings construction, and the textile industry, conveys the application of design principles, production processes, and maintenance techniques. This course addresses the selection, characteristics, care, and repair of various textiles; operation and care of sewing machines; design, construction, and career opportunities in the garment or textile industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Color Theory & Design

Currently Available

This course covers fundamental two-dimensional art skills, which can stand independently or be used as a foundation for other visual disciplines. Students will become confident with creative problem-solving processes and skills, color theory, elements and principles of design, and abstraction. Materials may include colored pencil, watercolor, ink, acrylic, chalk and oil pastel, charcoal, and mixed media. These concepts will be mastered through the creation and production of original art. This is a Pre-IB class for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Com Asst Art Animation Motion (Locations: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-assisted art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to solve problems, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Community Living B

Currently Available

This pull-out class utilizes community and school resources and focuses on the basic functional living skills needed for making the transition from school to daily living.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Comp Assist Art/Graph Des II (Location: PIC)

Currently Available

Computer-Assisted Art courses enable students to discover and explore how the computer can be used as a tool to communicate visually. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design and photo manipulation while learning creative problem solving skills. Industry-standard software will be implemented such as Adobe Photoshop and Illustrator along with other industry standard software. Students will work towards producing a final marketable portfolio that demonstrates a mastery of technical skills, and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve and multi-task projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Comp Assist Art/Graph Design (Location: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Computer Applications

Currently Available

In Computer Applications, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including word-processing, spreadsheet, graphics, and database programs.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Computer Applications II

Currently Available

In Computer Applications II, students will build on the skills learned in Computer Applications I. New software packages and applications will also be introduced.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Computer Integrated Manufacturing (Location: PIC)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Computer Programming Honors

Currently Available

Computer programming Honors provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. This course includes topics such as Boolean logic, selection, iteration, array use, procedures, file use and structures.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Computer Programming I (Locations: PIC, KW, NC)

Currently Available

Computer programming provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. This course includes topics such as Boolean logic, selection, iteration, array use and procedures

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Computer Programming-Other H

Currently Available

Computer Programming-Other Language Honors courses provide students with the opportunity to gain expertise in computer programs using languages other than those specified (such as Pascal, FORTRAN, or emerging languages). As with other computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. As students advance, they learn to capitalize on the features and strengths of the language being used.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Computer Science Principles

Currently Available

Computer Science Principles courses provide students the opportunity use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Concert Band

Currently Available

This course is designed for students to gain experience in Symphonic Band and Marching Band. Extra-curricular rehearsals and performances are required. Students will learn concepts of theory, musical relationships, and contemporary notation practices pertaining to live performances.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Construction I (Locations: PIC, RHS)

Currently Available

Advanced Construction courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation, siding, and painting. Students will receive the OSHA 10 Hour Training Course

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Construction II (Locations: PIC, RHS)

Currently Available

Advanced Construction II courses provide students with knowledge and skills required for construction of commercial and residential structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as safety, concrete work, framing, roofing, flooring, drywall, concrete, carpentry and so on. Students engage in activities such as reading blueprints, scheduling, estimating, permitting. Students may qualify for the OSHA 30 Hour Training Course.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Contemp US Issues - Holocaust

Currently Available

This is a survey class of the literature and history of the Holocaust and related topics. Students will study the history of the Jews, Nazi Germany, the literature that developed during that period of time, present day racism, denial of the Holocaust and political problems of Israel. Requirements will include a research paper and final oral project. Students who are self-motivated and possess self-discipline will succeed.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Creative Art - Comprehensive

Currently Available

This course is a survey course exploring the visual arts. Students will become confident with the use of basic drawing, painting, digital, and 3-dimensional techniques and processes. Materials may include colored pencils, watercolors, graphite, paper, clay, or technology. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Draw/Paint I

Currently Available

A course in which the principles and properties of drawing and painting are explored through multiple-media with drawing and painting skills and techniques. May include: charcoal, graphite, pastels, oils, watercolors, acrylics, airbrush.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Draw/Paint II

Currently Available

A further in-depth look at the principles and properties of drawing and painting through multiple medium processes and techniques, which may include: charcoal, graphite, pastels, oils, watercolors, acrylics, airbrush.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Painting I (PIC, NC, MW, RHS)

Currently Available

This course covers fundamental painting skills, which can stand independently or be used as a foundation for other visual disciplines. Materials include acrylics, watercolors, and mixed media. Students will become confident with using fundamental painting skills and techniques of the classic painting mediums. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

This course covers the fundamental concepts, methods, and techniques used to create sculpture and pottery. These concepts will be learned and experienced as the students create original 3-dimensional works of art using clay and/or other materials. This is a Pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture II (Locations: PIC, KW, NC)

Currently Available

This course covers the in-depth concepts, methods, and techniques used to create sculpture and pottery. These concepts will be further explored as the students create original 3-dimensional works of art using clay and/or other materials. This is a pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture III

Currently Available

This course will be a more in-depth examination of sculptural/ceramic art techniques and concepts. These concepts will be learned and experienced as the students create original three-dimensional works of art using clay and/or other materials. Exploration of sculpture as an art form in past and present cultures will be researched. Students will need a constructive work ethic and will be encouraged to be self-motivated and develop an individual style.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Creative Art - Sculpture IV

Currently Available

This course will be a more in-depth examination of sculptural/ceramic art techniques and concepts. These concepts will be learned and experienced as the students create original three-dimensional works of art using clay and/or other materials. Exploration of sculpture as an art form in past and present cultures will be researched. Students will need a constructive work ethic and will be encouraged to be self-motivated and develop an individual style.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Creative Writing I

Currently Available

Creative Writing I is a semester-long course designed to offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and/or other forms of prose. The emphasis of the course is on writing; however, students will analyze their own writing, and the writing of others, both professional and student, to obtain a fuller appreciation of the form and craft. Students will be instructed in writing strategies and techniques; be provided time to write creatively; and be trained to respond constructively to their own writing and the works of their peers.

Content Area

English Language Arts (ELA)

Grade Level 11, 12

Creative Writing II

Currently Available

Creative Writing 2 is a semester-long class designed to provide creative writing opportunities and challenges unlike those of a traditional composition or literature class. Building on the foundation of Creative Writing 1, Creative Writing 2 seeks to reinforce the techniques and skills acquired in the previous course by providing students the ability to pursue extended individual writing projects, participate in more frequent collaborative sessions, and to explore hybrid genres. Students will produce a capstone portfolio of their best works and will contribute to the school's Literary Magazine for publication.

Content Area

English Language Arts (ELA)

Grade Level 10, 11, 12

Critical Thinking H

Currently Available

Critical Thinking Honors aims to stimulate critical self-reflection of students' knowledge and experiences, and will examine philosophical questions regarding the nature of knowledge. Course content generates questions regarding the basis of knowledge and their verification in academic disciplines with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various types of knowledge; to relate studied subjects to one another; general knowledge and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge.

Content Area

Social Studies (SS)

Grade Level 11, 12

CTE Exploratory (Location: PIC)

Currently Available

The course is left generalized so that it can be adapted to fit a variety of CTE paths. The aim of this course is to provide students with the opportunity to explore potential CTE interests with the goal of potentially more students taking advanced CTE courses.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

CTE Medical Terminology

Currently Available

This is a course for students interested in medical careers to investigate the core topics associated in all health care professions. These topics include but are not limited to ethics, medical careers, medical terminology, introduction to anatomy and physiology, infectious diseases, safety, medical math and human development.

Content Area

Science (SC)

Grade Level 11, 12

Culinary Arts

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 1 Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 2 Culinary Arts Specialty

Currently Available

Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating cakes, global cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied and will also explore principles of food science and the history and culture of food.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 2 Hospitality Management & Food Service (Locations: PIC, NC)

Currently Available

Food Service courses provide foundational instruction and hands-on experience in the preparation and service of food to groups and for retail sale. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the foodservice industry. Students in this class will operate all aspects of a professional catering business.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Culinary Arts 3 Restaurant Management (Location: PIC)

Currently Available

Students will complete the National Restaurant Association ProStart I Program, the first year of a two-year industry-driven, school-to-career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches entry level skills and knowledge needed for success in the industry. The comprehensive curriculum and food preparation experiences are the foundation of the program. Topics covered include customer relations, food preparation, accounting, cost control, sanitation and workplace safety. Students will build business and management skills that are transferable to other industries and may earn the ServSafe certification in food handling.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Culinary Arts 4 Culinary Practicum (Location: PIC)

Currently Available

Students in this class will be completing the 2nd year of the National Restaurant Association ProStart Program, a two year industry-driven, school-to-career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches advanced level skills and knowledge needed for success in the industry. Students may earn ServSafe certification as Food Safety Manager and ProStart Certificates of Achievement.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Culinary Arts Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Basics (Location: PIC)

Currently Available

This HOW TO class will provide students with basic preparation skills and knowledge needed to prepare a variety of dishes in a lab setting. The course will cover safety and sanitation, kitchen terms, abbreviations, tools/equipment, and preparation techniques. Students will explore nutritional basics and how it applies to them personally.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Diesel Mechanics Comprehensive (Locations: PIC, RHS)

Currently Available

This advance course prepares students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air-conditioning, charging systems, reading and interpreting service manuals and identifying the principles and components of fuel injection systems. The Course also covers safety. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests on Heating and Air conditioning (HVAC) that is used in industry. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Drama - Stagecraft I

Currently Available

Drama—Stagecraft courses are intended to help students develop experience and skill in one or more aspects of theatrical production, but concentrate on stagecraft (such as lighting, costuming, set construction, makeup, stage management, and so on). Initial courses are usually introductory in nature, while more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Drama - Stagecraft II

Currently Available

Students will gain a more in-depth knowledge of various areas of technical theatre production, design, and participation. Subjects include scenic design and construction, sound design, stage lighting, stage and special effects makeup, costuming, theatre business, and stage management. Students are required to participate as stage crew for extra-curricular performances and may be called on to help with other events in the auditorium.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Drama - Stagecraft III

Currently Available

Students will gain a more in-depth knowledge of various areas of technical theatre production, design, and participation. Subjects include scenic design and construction, sound design, stage lighting, stage and special effects makeup, costuming, theatre business, and stage management. Students are required to participate as stage crew for extra-curricular performances and may be called on to help with other events in the auditorium.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Drivers Education (Location: PIC)

Currently Available

Drivers Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

Content Area

Other (OT)

Grade Level 10, 11, 12

Early Childhood Education I (Location: PIC)

Currently Available

This course prepares students for occupations in child related careers and roles. Instruction is given in child growth and development; child care programs, management, and policies; health and safety concerns; developmentally appropriate learning activities; and writing, preparing, and teaching workable lesson plans in the high school's on-site child care training center.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Early Childhood Education II (Location: PIC)

Currently Available

This course is designed to give students the opportunity to complete the required experience hours and portfolio for the CDA certification in Early Childhood Education. This course will partner with our certified preschools to get the high school students their 480 hours experience and review their 10 core concept areas to pass their certification test at the end of the course for certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Engine Fundamentals

Currently Available

Course will cover 2-stroke, 4-stroke, gas and diesel engine operation. Small engines will be used to introduce students to 4-stroke engine theory. The class will progress to a complete teardown and reassembly of an automotive engine. Students will have the option to install and run their engine on an engine dyno and learn about tuning and power.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Engineering Graphics 1

Currently Available

Advance level class that introduces students to board drafting techniques and CAD techniques. Students gain an understanding of board drafting, AutoCAD and Solidworks and the role CAD programs play in industrial applications. Students will learn basic engineering design techniques and how this applies to real world applications. Students will gain an understanding of multi-view drawings, pictorial drawings, dimensioning, and how to read technical drawings. Students will focus on 2D drafting techniques.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Engineering Graphics 2

Currently Available

This advance course is a continuation of Engineering Graphics 1. Students will work in AutoCad and Solidworks and will use 3D modeling techniques to complete most coursework. Students will use the engineering design process to develop ideas into solutions. Students will use CAD software and CNC machines to create student projects.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

English/Lang Arts I

Currently Available

English/Language Arts I courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the conventions of writing and include the five aspects of language arts: reading, writing, language, speaking, and listening. These courses introduce and define various genres of literature and informational texts, with writing exercises often linked to reading selections.

Content Area

English Language Arts (ELA)

Grade Level 9

English/Lang Arts I A

Currently Available

NC--successful completion in advanced classes may enable future enrollment in Pre-International Baccalaureate classes. KW - Pre-AP

Content Area

English Language Arts (ELA)

Grade Level 9

English/Lang Arts I B

Currently Available

This course is chosen for a student by an IEP Team. It focuses on the individual student's needs for building their reading and/or writing skills. The course fulfills an English credit requirement for a high school diploma by earning a passing grade.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

English/Lang Arts II

Currently Available

English/Language Arts II courses build on knowledge from Language Arts I in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of world literature and informative texts - including seminal United States documents - students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 10

English/Lang Arts II H

Currently Available

Successful completion in these advanced classes may enable future enrollment in International Baccalaureate or Pre-AP courses. English/Language Arts II Honors courses build on knowledge from Language Arts I in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of world literature and informative texts - including seminal United States documents - students will read and comprehend independently and proficiently at a deeper level.

Content Area

English Language Arts (ELA)

Grade Level 10

English/Lang Arts III (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts III courses build on knowledge from Language Arts II in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of American literature and informative texts - including foundational United States documents - students will read and comprehend proficiently. This course is aligned to the common core state standards and is preparatory for the ACT.

Content Area

English Language Arts (ELA)

Grade Level 11

English/Lang Arts III H

Currently Available

English/Language Arts III Honors courses build on knowledge from Language Arts II in the areas of grammar, vocabulary, word usage, and the conventions of writing at an honors level. These courses offer a balanced focus on reading, writing, language, speaking and listening. Through the study of various genres of American Literature and informative texts - including foundational United States documents- students will read and comprehend proficiently. This course is aligned to the common core state standards and is preparatory for the ACT. Collaborative research and cross-curricular connections are required.

Content Area

English Language Arts (ELA)

Grade Level 11

English/Lang Arts IV (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts IV courses build on knowledge from Language Arts III in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of literature (including one Shakespearean play) and informative texts, students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 12

Environmental Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

An introductory Environmental Course offering how humans interact with their environment. Concepts will include ecological interactions, biomes, human population and its effect on the environment, energy resources and analyzing specific ecological problems

Content Area

Science (SC)

Grade Level 11, 12

Film and Television 1 (Locations: PIC, KW, NC)

Currently Available

With an emphasis on narrative form, the course covers basic technical and aesthetic foundation in filmmaking. Students learn to develop craft as well as personal voice through projects that involve writing treatments and screenplays; developing storyboards; producing; lighting; directing; working with actors and crew; sound design; and editing. For the final project, each group produces a short film for entry into the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 2 (Locations: PIC, KW)

Currently Available

This practical hands on course aims to help students refine their aesthetic sensibilities and sense of personal vision as directors through projects that involve screenwriting, storyboards, shooting in a variety of visual styles, producing, directing action, working with actors, and editing. They expand a sense of aesthetic possibilities by the work they do in Film/TV #1 and extend their editing sense through the work they have done

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 3 (Location: PIC)

Currently Available

This project oriented course introduces filmmakers to live television production and post production techniques. Students create short films and videos that are theme based, experiment with non narrative structure, and clearly communicate the filmmaker's intent to the target audience. Students express a chosen theme through several different genres and become conversant with the principles of portable digital video acquisition and nonlinear editing. These students are also responsible for producing the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy

Currently Available

The Financial Literacy course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy - Social Studies (Locations: PIC, KW, NC, MW, RHS)

Currently Available

The Financial Literacy Social Studies course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Social Studies (SS)

Grade Level 11, 12

Forensic Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Forensics science courses introduce students to crime scene investigations and the techniques used to solve crimes. The courses uses all fields of science as they apply to certain situations

Content Area

Science (SC)

Grade Level 11, 12

Forensic Speech-Debate

Currently Available

Forensic Speech—Debate courses offer students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to the methods, aims, and styles used in various kinds of debates (formal debate or Lincoln-Douglas). Participation in competition is encouraged, but not always required.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Foundation Math - Other I B

Currently Available

This pull-out class provides group and individual instruction in academic areas of math, through functional, independent living skills and a modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Foundations of Business

Currently Available

Students will explore the wide variety of occupational pathways to assist them in making informed career decisions. The course will also focus on types of businesses and business organizations, computer literacy skills, and both writing and speaking skills. Students will have the opportunity to run the school store.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

French I

Currently Available

Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

French II A

Currently Available

French II Advanced courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

French III H

Currently Available

French III Honors courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity at an honors level. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, paraphrasing or summarizing written passages, and conversing easily within limited situations.

Content Area

World Language (FL)

Grade Level 10, 11, 12

French IV H

Currently Available

French IV Honors courses focus on advancing students' skills and abilities to read, write, speak, and understand the French language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. This will be given through the medium of French History and period Literature and poetry.

Content Area

World Language (FL)

Grade Level 10, 11, 12

French V H

Currently Available

French V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future). Designed to parallel third-year college-level courses in French Composition and Conversation, builds upon prior knowledge and develop students' ability to understand others and express themselves (in French) accurately, coherently, and fluently. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, and so on. Preparatory for CLEP placement exam

Content Area

World Language (FL)

Grade Level 11, 12

French VI Literature H

Currently Available

French IV Literature Honors courses place an emphasis on reading, speaking, understanding, writing and reacting to literature written in French. Preparatory for CLEP placement exam.

Content Area

World Language (FL)

Grade Level 11, 12

Freshman Physical Education

Currently Available

Freshman Physical Education courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may also develop and implement a personal fitness plan. This course also provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: aquatics, team sports, individual/ dual sports, and fitness/conditioning activities. It meets the NCSD #1 Physical Education and Health Standards

Content Area

Physical Education/Health (PE)

Grade Level 9

Geometry

Currently Available

Geometry courses emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

In Geometry, instructional time should focus on nine critical areas: (1) geometric terminology, (2) congruence, (3) polygons, (4) similarity, (5) trigonometry, (6) transformations, (7) circles, (8) geometric modeling/ solids, and (9) probability.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Geometry Honors

Currently Available

Geometry emphasizes an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as a system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles

Content Area

Mathematics (MA)

Grade Level 9

Graduation Skills Prep

Currently Available

This course prepares students with the necessary skills to succeed in high school, postsecondary education, or the workforce. Course content includes specific study skills such as note-taking, outlining, test-taking, etc., coupled with aligning necessary organizational skills such as timeline goal-setting, time management, organization writing strategies, and chunking of multi-step projects. Students apply these skills directly to currently enrolled courses or in identified content areas of need.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Graphic Technology I

Currently Available

Graphic Technology courses help students apply artistic and computer techniques to the interpretation of technical and commercial concepts. Topics covered may include computer assisted design, concept sketching, technical drawing, color theory, imaging, studio techniques, still life modeling, and commercial art business operations.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Greek Mythology

Currently Available

This course offers students the opportunity to develop their reading and writing skills through the study of Greek myths. Students will read and analyze the literature of Greek Mythology and respond to what they have read through writing and discussions. Students will identify major themes and character traits in these texts and analyze how these texts convey messages about human nature in Ancient Greece and the modern world.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Guitar I

Currently Available

Guitar I is designed for beginning guitarists and will introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. Students with previous experience on guitar should sign up for Guitar II.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Guitar II

Currently Available

This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Guitar III

Currently Available

This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Guitar IV

Currently Available

This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Health Care Occupations Comp

Currently Available

Health Care Occupations Comp prepares students with essential knowledge and entry level skills for health care occupations. Students explore the roles and responsibilities, education requirements, and employment opportunities of a variety of health care careers. Topics of study include confidentiality and regulations, medical ethics, infection control, first aid, medical terminology, medical math, and basic anatomy and physiology concepts.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

History of Rock and Roll

Currently Available

This class is designed as a non performance course that will cover the development of rock music from 1900 to present. Many styles of music will be explored, emphasizing the need to appreciate the elements that make this music appealing and its historical and cultural influence.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Horticulture (Location: PIC)

Currently Available

This course challenges students to become experts in the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, interior and exterior landscaping, irrigation systems, weed and pest control, and floral design. This course is available to all high school students and is located at the PATHWAYS building.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Independent Study in Chinese

Currently Available

This honors course is open to students enrolled in the NCSD Dual Language Immersion (DLI) program. It is an independent study offered by University of Wyoming that can be taken multiple times depending on student need. The focus of this course is on grammar and writing in Mandarin Chinese.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Industry Cert Training (Heavy Equipment Operators) (Location: PIC, MW, RHS)

Currently Available

In a 120 hour class students meet at the center and work on the skills and experience needed to start your career in the Construction Industry. While in training, students have been exposed to practical working conditions likely to be experienced on the job. Students are learning and will be certified to operate a backhoe and front-end loader from the National Center for Construction Education and Research. As they work toward their certification, students are also earning an elective credit through the school district.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Introduction to Robotics Engineering

Currently Available

This is an advanced course dedicated to the introduction of principles and concepts of robotic design and construction. Focus is placed upon an introduction to SolidWorks software, Simple Machines, Basic Sensor operation and usage, as well as some basic level fabrication. Construction will be centered around VEX robotic kits.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Introduction to Robotics Engineering

Currently Available

This is a course dedicated to the introduction of principles and concepts of robotic design and construction. Focus is placed upon an introduction to SolidWorks software, Simple Machines, Basic Sensor operation and usage, as well as some basic level fabrication. Construction will be centered around VEX robotic kits.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Japanese I A

Currently Available

This advanced course strengthens communication skills developed in Japanese I through the program situated in "Trip to Japan." In addition to the two writing systems introduced in Japanese I, students build "Kanji" literacy so that they can use and read authentic materials and deepen the understanding of Japanese society and culture. They will continue to use various technologies and online resources for communication opportunities.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Japanese II A

Currently Available

This advanced course strengthens communication skills developed in Japanese I through the program situated in "Trip to Japan." In addition to the two writing systems introduced in Japanese I, students build "Kanji" literacy so that they can use and read authentic materials and deepen the understanding of Japanese society and culture. They will continue to use various technologies and online resources for communication opportunities.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Japanese III H

Currently Available

This honors course strengthens communication skills developed in Japanese II by exploring various elements of Japanese society, such as annual events, food, healthy lifestyles, nature, recycling, arts, and folk tales. They will have more opportunities to build up Kanji.

Content Area

World Language (FL)

Grade Level 10, 11, 12

Japanese IV H

Currently Available

This honors course strengthens communication skills developed in Japanese III by exploring various elements of Japanese society, such as annual events, food, healthy lifestyles, nature, recycling, arts, and folk tales. They will have more opportunities to build up "Kanji" literacy and to use their communication skills with the natives.

Content Area

World Language (FL)

Grade Level 10, 11, 12

Japanese V H

Currently Available

This honors course strengthens communication skills developed in Japanese IV by exploring various elements of Japanese society, such as annual events, food, healthy lifestyles, nature, recycling, arts, and folk tales. They will have more opportunities to build up "Kanji" literacy and to use their communication skills with the natives.

Content Area

World Language (FL)

Grade Level 11, 12

Jazz Band

Currently Available

Course is designed for students to develop skills in performing jazz styles as well as studying the history and theory of jazz. Opportunities will be provided for combo and large ensemble performance. Students must also be enrolled in another large ensemble or have directors permission to enroll.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Journalism H

Currently Available

Journalism courses (typically associated with producing a school newspaper, yearbook, or literary magazine) emphasize writing style, technique, production values, and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility, develop students' skills in writing and editing stories, headlines, and captions, and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. Media literacy is also covered to make students more responsible consumers of information. In Journalism Honors, students will be asked to write more in-depth articles for the school's newspaper and will be required to read and respond to more articles than in the regular class. They will also be expected to study the elements of publication design independently.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Journalism I

Currently Available

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. Media literacy is also covered to make students more responsible consumers of information

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Language Arts Laboratory I B

Currently Available

This pull-out class provides group and individual instruction in academic areas of reading and language, through functional, independent living skills and a modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Leadership

Currently Available

Leadership courses are designed to strengthen students' personal and group leadership skills. These courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics within the personal, local community and international realms. This course can be taken multiple times for credit.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Literacy & Thinking Strategies

Currently Available

This course is geared toward, but not limited to, students who may demonstrate a gap in reading comprehension or literacy strategies and will help improve learning across all content areas. The focus of the course is over thinking strategies, reading a variety of texts, and critical thinking skills in order to build student success through high school and beyond.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Marine Corps JROTC Drill

Currently Available

Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Introduction to Drill and Ceremonies, their history and purpose. The precision and timing of drill to promote skill, teamwork, and discipline. Students will be introduced to the roles of leaders and their followers in drill and they will examine how leaders use their leadership skills to prepare themselves for taking charge during drill. Students will implement leadership skills in developing and performing exhibition and regulation drill during competitions and demonstrations for JROTC and civic functions. This also includes Color Guards for community relations.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Marine Corps JROTC Leader Ed 1

Currently Available

The Marine Junior ROTC program is a program that teaches high school students (cadets) character education, student achievement, wellness, leadership, and diversity. Collectively, these lessons motivate students (cadets) to be better citizens. In addition to promoting citizenship, MCJROTC also prepares students for college.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Marine Corps JROTC Leader Ed 2

Currently Available

The second year continues the leadership and citizenship classes of LE-I. During LE-II the students receive instruction in General Military Subjects with more structure and tradition than in LE-I, as well as the introduction of civilian marksmanship training and land navigation training with the map and compass. This year also provides additional learning experiences in personal growth and responsibility, as well as citizenship.

Content Area

Other (OT)

Grade Level 10, 11, 12

Marine Corps JROTC Leader Ed 3

Currently Available

In LE-III, cadets will begin to use their leadership training as they assume positions of increased authority and responsibility within the program. In this year also, detailed instruction on personal finances is presented, as well as other preparation for life beyond high school.

Content Area

Other (OT)

Grade Level 11, 12

Marine Corps JROTC Leader Ed 4

Currently Available

LE-4 is a year when cadets really bring together all their previous learning experiences in the MCJROTC program. Senior cadets will conduct formations and inspections, as well as supervise certain training events with younger cadets. LE-4 cadets continued to be challenged academically with requirements for research projects and independent studies and progress reports.

Content Area

Other (OT)

Grade Level 12

Marine Corps JROTC Rifle

Currently Available

The purpose of this unit is to introduce firearms safe handling procedures while teaching the fundamentals of marksmanship using the 10-meter 3-position marksmanship program for skill development. Cadets will first be taught the safe handling procedures for firearms that are universal for safe handling of all firearms both in school and in everyday handling of firearms. Cadets will learn the five fundamentals of marksmanship to develop proficiency in air rifle firing. Cadets will learn how to properly adjust their sights and how to use firing data to develop consistency throughout the course of fire. As the cadets progress through the unit they will learn the intricacies of all three firing positions and through skill development and practice, will qualify on the air rifle per Marine Corps standards. Cadets will also compete in postal computations against school teams from all over the United States.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Marketing-Comprehensive

Currently Available

Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are often covered as well.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Misc Independent Study I B

Currently Available

The ABLE Program is located off campus and provides community based instruction in life skills. It focused on training and community connections in all transition areas; post secondary education, daily living skills/ independent living, employment, community participation, and recreation/leisure activities. Students in this program are working under Expanded or Vocational Standards.

Content Area

Other (OT)

Grade Level 12

Misc Workplace Exp B

Currently Available

This pull-out class is a community based work experience course providing students the opportunity to develop those skills needed to obtain and maintain employment. Students will attend a job daily to practice employment skills and develop occupational skills that may lead to employment. Job coaching and transportation support are provided as needed. Students will work under the CTE standards but will not meet proficiency criteria for the CTE content area.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Miscellaneous-Aide

Currently Available

This course allows students the opportunity to help in the school office, library or for teachers. Duties are nonconfidential simple tasks such as running passes, alphabetizing, sorting mail, organizing classrooms, reshelving books, etc. (Up to half the credit of a regular class can be earned.)

Content Area

Other (OT)

Grade Level 10, 11, 12

Modern US History

Currently Available

Students will examine the continuing evolution of the United States democracy with an analysis of the U.S. Constitution and the unique characteristics of the Wyoming Constitution. Students will examine domestic and foreign conflicts along with the policies that made the United States a superpower following World War II. Students will then analyze and evaluate the implications of the global dominance of the United States.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Modern US History A

Currently Available

A challenging research oriented study of the government, history, and economics of the United States in the 20th Century as well as the Wyoming Constitution at the advance-level. Through the study of both primary and secondary sources, the student will analyze information for its value and quality, which will be then covered in discussions, essays, and tests.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Music Theory

Currently Available

Music Theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Music-Independent Study H

Currently Available

Music—Independent Study Honors courses, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Nursing I (Location: PIC)

Currently Available

Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Nursing II (Location: PIC)

Currently Available

Nursing II courses continue to place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Orchestra

Currently Available

A study and performance of string orchestra literature and music theory as it applies to the orchestral musician. Performances are required, graded performances.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Percussion

Currently Available

Course is designed for students to gain mastery at the appropriate individual developmental level in the areas of rudimentary drumming, accessory instrument performance, mallet keyboard performance, and trap set performance. The first quarter of the year will focus entirely on drum line performance. Extra-curricular performances and rehearsals are required.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Philosophy

Currently Available

Philosophy courses introduce students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings.

Content Area

Social Studies (SS)

Grade Level 11, 12

Photo Imaging

Currently Available

This course covers fundamental camera operations and techniques, paired with a foundational understanding of composition. Students will explore how photography can be used as a creative tool to make photos that communicate ideas, themes, and/or concepts with the viewer. Students will learn industry-standard software, which includes but is not limited to Adobe Photoshop and Lightroom, to edit and manage their photos. These concepts will be mastered through the creation and production of original art.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Photography I (Locations: PIC, KW, NC)

Currently Available

This course covers fundamental camera operations and techniques, paired with a foundational understanding of composition. Students will explore how photography can be used as a creative tool to make photos that communicate ideas, themes, and/or concepts with the viewer. Students will learn industry-standard software, which includes but is not limited to Adobe Photoshop and Lightroom, to edit and manage their photos. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Physical Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as the motion of large objects, momentum, energy, the Big Bang Theory, atomic structure, and interactions of non-contact forces.

Content Area

Science (SC)

Grade Level 9

Physical Science A (Locations: PIC, KW, NC)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as, motion of large objects, momentum, energy, the Big Bang Theory, atomic structure and interactions of non-contact forces at the advanced level.

Content Area

Science (SC)

Grade Level 9

Physics

Currently Available

This introductory physics course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. This course is concept based with minimal emphasis on mathematical skills.

Content Area

Science (SC)

Grade Level 11, 12

Physics-Advanced Studies I A

Currently Available

Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

Content Area

Science (SC)

Grade Level 11, 12

Physics-Advanced Studies II A

Currently Available

This course is a continuation of Physics I. Students will apply topics learned in Physics I through the research, design and development, implementation and evaluation of devices.

Content Area

Science (SC)

Grade Level 11, 12

Pre Algebra

Currently Available

Pre-Algebra will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures.

Content Area

Mathematics (MA)

Grade Level 9

Pre-AP Chinese Lang & Culture (Locations: PIC)

Currently Available

Pre-AP Chinese Language and Culture course prepares students to be successful in AP Chinese Language and Culture building upon prior knowledge and developing students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. This course also helps students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts. Students will demonstrate full command of the target language at the Intermediate Low level with scaffolded exposure and practice within the Intermediate Mid level texts and tasks, Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks, and Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

PreCalc/Alg/Trig H

Currently Available

This honors course addresses elementary functions and graphing for mathematics, science, business, and engineering majors preparing for the regular calculus sequence. Includes exponential and logarithmic functions. The study of the Unit Circle and right triangle approaches, including identities, trigonometric equations, applications of trigonometric functions, and conics. Designed for mathematics, science and engineering majors preparing for the regular calculus sequence. Also includes elementary algebraic and trigonometric functions and graphing for mathematics, science, and engineering majors preparing for the regular calculus sequence.

Content Area

Mathematics (MA)

Grade Level 11, 12

Principles of Algebra & Geom

Currently Available

Principles of Algebra and Geometry courses combine the study of some pre-algebra and algebra topics with introductory geometry topics. These courses include the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.

Content Area

Mathematics (MA)

Grade Level 11, 12

Psychology

Currently Available

This course provides students with a basic understanding and introduction to the field of psychology – a science within the Social Sciences that investigates the numerous influences on human behavior and mental processes. Students will participate in a wide variety of classroom activities that allow them to study topics such as: History of Psychology, Scientific Method & Research Methods, Neuroscience, Nature/Nurture Debate, Sensation & Perception, States of Consciousness, Learning, Memory, Cognition, Intelligence & Language, Psychological Disorders & Treatments, and Social Psychology.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Pt Topics in Found Math I B

Currently Available

This course is chosen for a student by an IEP Team. It focuses on the individual student's needs for building their math calculation skills. The course fulfills a Math credit requirement for a high school diploma by earning a passing grade.

Content Area

Mathematics (MA)

Grade Level 9

Publication Production

Currently Available

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper and yearbook. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. Students will also be expected to sell ads for both the newspaper and the yearbook. The selling of ads teaches students real-world skills of face to face interaction in a business setting and is needed to produce student publications.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Publication Production H

Currently Available

Students going for honors credit in this class will be expected to put in an extra 5 hours a week outside of class to produce the student publications. This could be done by taking pictures at events, working on layout for the yearbook, doing interviews for stories, etc.

Content Area

English Language Arts (ELA)

Grade Level 10, 11, 12

Robotics Engineering II

Currently Available

This course focuses upon prior concepts and will revisit and integrate progressive build challenges centering around robotics kits. Advanced level fabrication and materials studies will be included.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Robotics Engineering I

Currently Available

This course focuses upon prior concepts and will revisit and integrate progressive build challenges centering around robotics kits. Advanced level fabrication and materials studies will be included

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

ROTC Drill

Currently Available

Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Introduction to Drill and Ceremonies, their history and purpose. The precision and timing of drill to promote skill, teamwork, and discipline. Students will be introduced to roles of leaders and their followers in drill and they will examine how leaders use their leadership skills to prepare themselves for taking charge during drill. Students will implement leadership skills in developing and performing exhibition and regulation drill during competitions and demonstrations for JROTC and civic functions.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Second Year Chinese I

Currently Available

Dual College Chinese I Course taught at University of Wyoming.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Second Year Chinese II

Currently Available

Dual College Chinese II Course taught at University of Wyoming.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Sociology

Currently Available

This course provides the student an opportunity to learn and investigate how the social situation and social world significantly influences human behavior. Students will gain a basic level of understanding about social groups and group behaviors - An introduction to the ways in which sociologists research, describe, explain, and predict social behaviors and events. Students will be engaged through a wide variety of classroom activities, which allow for thoughtful study and discussion of social behaviors in the past, present & future.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Sociology A

Currently Available

This is an accelerated course to prepare students for college level work, critical thinking skills, and a deeper understanding of social behavior. This course is designed for students who want to know more about social groups and group behavior. It is an introduction to the ways in which sociologists describe and explain our society. Course activities included interactive labs, guest speakers, observations, surveys, interviews, reading and discussion. Advanced social skills, commitment, and desire to better understand the complexities of social behavior and communication are required. Students will also attempt to replicate a simple Sociological Investigation/Experiment and develop a formal report to share with the class.

Content Area

Social Studies (SS)

Grade Level 11, 12

Spanish Conversation & Culture

Currently Available

The Spanish Conversation and Culture Course provides students with an instruction to the Spanish language and the culture(s) of Spanish-speaking people and is recommended or students who want to explore introductory Spanish culture from music, sports, food, holidays, supersessions, fairy tales, geography, festivals and festivals. The course may be used as a precursor to a Spanish level I. This course is district from other Spanish and History course as there is less focus on grammar and vocabulary and more focus on the cultural aspects of the Spanish-speaking world. This course also integrates the Social Studies Standards for World History, providing additional exposure to cross-curricular content. This course is open to all grade levels and can be taken in isolation or in addition to any other Spanish course.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish for Heritage 2

Currently Available

Designed for the heritage Spanish speaker continuing their education of Spanish after Level 1. It is taught in the Spanish language with a continuation on reading and writing. Students will continue their practice and learning of novels, plays, and poetry. The students will have the opportunity to explore and celebrate their own cultural background as well as other cultures represented in the Spanish-speaking world. The students will learn how to de-code, show reading comprehension, and write in the target language at a higher level and practice higher levels of grammar and composition to strive for fluency in reading and writing. The students will receive instruction based on their current abilities in the language.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish for Heritage Speakers

Currently Available

This course is designed for the Spanish heritage speakers with an emphasis on literacy using all four skills of reading, writing, speaking, and listening. It is taught in the Spanish language with an introduction to novels, plays, and poetry while being exposed to the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish I

Currently Available

Designed to introduce students to beginning listening, speaking, reading and writing skills with an introduction to Spanish grammar. Students will learn about the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish II A

Currently Available

Advanced-level course designed to strengthen students' listening, speaking, reading, and writing skills with a continuation of Spanish grammar. Students will learn about the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish II A

Currently Available

Advanced-level course designed to strengthen students' listening, speaking, reading, and writing skills with a continuation of Spanish grammar. Students will learn about the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish III H

Currently Available

This honors course is designed to develop the four skills of listening, speaking, reading, and writing with an emphasis on the mastery of grammar and vocabulary. Students will compare and contrast cultural similarities and differences.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish III H

Currently Available

This honors course is designed to develop the four skills of listening, speaking, reading, and writing with an emphasis on the mastery of grammar and vocabulary. Students will compare and contrast cultural similarities and differences.

Content Area

World Language (FL)

Grade Level 10, 11, 12

Spanish IV H

Currently Available

This honors course is a continued study of Spanish grammar and development of the four skills of listening, speaking, reading, and writing. Students will be able to maintain simple conversations with sufficient vocabulary and an acceptable accent. Students will continue to examine literature and advance listening skills via authentic video/podcasts.

Content Area

World Language (FL)

Grade Level 10, 11, 12

Spanish IV H

Currently Available

This honors course is a continued study of Spanish grammar and development of the four skills of listening, speaking, reading, and writing. Students will be able to maintain simple conversations with sufficient vocabulary and an acceptable accent. Students will continue to examine literature and advance listening skills via authentic video/podcasts.

Content Area

World Language (FL)

Grade Level 10, 11, 12

Spanish Literature H

Currently Available

This honors course is a survey of Spanish novels, plays, and poetry with an emphasis on reading, understanding, and reacting in writing to literature written in Spanish.

Content Area

World Language (FL)

Grade Level 11, 12

Spanish V H

Currently Available

This honors course extends students' facility with language so they are able to understand, initiate and sustain conversations on topics beyond basic survival needs. Topics may be based on literature, science, history and psychology. Students will develop a vocabulary large enough to understand literacy texts, magazines, newspaper articles and video/podcasts. Preparatory for CLEP placement exam.

Content Area

World Language (FL)

Grade Level 10, 11, 12

Spanish V H

Currently Available

This honors course extends students' facility with language so they are able to understand, initiate and sustain conversations on topics beyond basic survival needs. Topics may be based on literature, science, history and psychology. Students will develop a vocabulary large enough to understand literacy texts, magazines, newspaper articles and video/podcasts. Preparatory for CLEP placement exam.

Content Area

World Language (FL)

Grade Level 10, 11, 12

Specific Sports Activities

Currently Available

This class is designed to familiarize the student with various lifetime sports such as tennis, golf, racquetball, wallyball, skating, bowling and outdoor ed. Meets the NCSD #1 Physical Education Standards. May be repeated for elective credit.

Content Area

Physical Education/Health (PE)

Grade Level 10, 11, 12

Sports Medicine 1

Currently Available

Students will explore careers in sports medicine. Topics will include healthcare professions and the sports medicine team, legal considerations in healthcare, emergency planning and treatment, introduction to taping and wrapping, and therapeutic modalities. This course is a prerequisite for Sports Medicine 2, followed by Sports Medicine 3.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Statistics (Locations: PIC, KW)

Currently Available

Statistics is a course recommended for students who want to explore introductory statistics using hands-on labs and technology simulations. It could be a precursor to a college level introductory course but is relevant for any post high school path. Topics will include one variable data analysis, normal distribution, data collection, confidence intervals and significance tests.

Content Area

Mathematics (MA)

Grade Level 12

Strategic Reading

Currently Available

Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for ELA for a high school diploma.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Study Lab

Currently Available

This course provides students with the opportunity and time to complete classroom assignments or school projects. Students typically work on their own, but they are supervised and usually remain in the classroom.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Theatre I

Currently Available

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Theatre II

Currently Available

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Theatre III

Currently Available

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Theatre IV

Currently Available

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Trigonometry/Algebra III A

Currently Available

This advanced course covers topics of both trigonometry and advanced algebra. This course prepares students for eventual work in Math Analysis / IB Math Application & Interpretation Honors. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic exponential, and rational functions and their graphs.

Content Area

Mathematics (MA)

Grade Level 11, 12

Trigonometry/Math Analysis H

Currently Available

This honors course covers topics of both Trigonometry and Math Analysis, this course prepares students for eventual work in pre-calculus. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic, exponential, and rational functions and their graphs, and vectors.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Tutorial

Currently Available

This is a class that helps ELL students apply English speaking skills across all content areas

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Tutorial B

Currently Available

In this strategies-based course, students will learn and apply strategies that will enhance comprehension of core content, to include but not be limited to, the use of universal design, use of technology, use of graphic organizers, research-based comprehension and problem solving strategies. Minimal support and time will be available for homework completion.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Tutoring Practicum I

Currently Available

Tutoring Practicum courses provide students with the opportunity to offer tutorial assistance to their peers or to younger students. After an initial training period during which students learn how to work with other students and how to make use of the available resources (e.g., staff, written material, audiovisual aids, and so on), students engage in tutoring and assisting others who need or request help.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Understand & Creating Culture

Currently Available

Understanding and Creating Culture is a course that analyzes cultural systems at both the micro and macro levels. Through this analysis students will understand the myriad factors that go into creating, maintaining, communicating, and archiving the manifestations of communal beliefs. Through analysis of artwork, sporting events, language, dress, social norms, and other social institutions students will have a working knowledge of what culture is, how to identify differing groups, and how to communicate their findings.

Content Area

Social Studies (SS)

Grade Level 11, 12

Upholstery (Location: PIC)

Currently Available

Upholstery is an advance course that will teach students the high-need, high-wage skills of automotive and furniture upholstery. Students will be completing hands-on projects to learn the skills necessary for introduction to these skills. Students will demonstrate basic stitching, measuring, pattern drafting, and embroidery to meet basic industry standards

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

US History - Comprehensive

Currently Available

Students will analyze the birth of the modern United States by evaluating and synthesizing the causes and effects of major eras from westward growth through World War II and the origins of the Cold War.

Content Area

Social Studies (SS)

Grade Level 9

US History - Comprehensive A

Currently Available

This advanced course provides students with the history of the United States, examining time periods from Reconstruction through World War II. These courses typically include a historical overview of government, political, military, scientific, and social developments. It also includes the study of Wyoming history, the Wyoming State Constitution and geography. Major research projects are required each semester.

Content Area

Social Studies (SS)

Grade Level 9

Veterinary Science I (Location: PIC)

Currently Available

Veterinary Science students will investigate the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic companion and farm animals. Course topics include anatomy and physiology, nutrition, feeds and feeding, behavior and training, disease prevention, reproduction and genetics, ethics of animal care and animal husbandry, fitting and showing, maintaining equipment and facilities, and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science II (Location: PIC)

Currently Available

Veterinary Science II students will build upon the introductory skills learned in Veterinary Science I. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research and diagnosis, to the development of treatment plans and follow-up, and finally preparing patient billing and client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, veterinary skills, veterinary careers and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science III (Location: PIC)

Currently Available

Veterinary Science III students will build upon the introductory skills learned in Veterinary Science I & II. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment

Content Area

Career & Technical Education (CTE)

Grade Level 12

Veterinary Science IV (Location: PIC)

Currently Available

Veterinary Science IV students will further build upon the introductory skills learned in Veterinary Science I, II & III. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment. In addition, students will be creating a comprehensive health plan for an animal based entity and develop a career portfolio

Content Area

Career & Technical Education (CTE)

Grade Level 12

Visual Arts - Ind Study I

Currently Available

This course is a concurrent enrollment course with IB Art/Design. It allows students time to prepare to take the IB Art/Design exam.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Visual Arts - Ind Study I A

Currently Available

This advanced course is a concurrent enrollment course with IB Art/Design. It allows students time to prepare to take the IB Art/Design exam.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Vocal Ensemble

Currently Available

Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble. Course goals may include the development of solo singing and improvisation and may emphasize one or several ensemble literature styles.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Web Page Design I

Currently Available

Web Page Design I is an advanced course that teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and the Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)
Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Web Page Design II

Currently Available

Web Page Design II is an advanced course that teaches students advanced design practices by refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—HTML 5.0, CSS 3.0, JavaScript, and the Document Object Model—to develop and maintain a web page.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)
Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Weight Train & Conditioning

Currently Available

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This course meets the NCSD #1 Physical Education Standard.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Welding & Manufacturing IV (Locations: PIC, MW)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Welding II FCAW, GTAW (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Flux Cored Arc Welding and Gas Tungsten Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment such as the CNC Plasma torch. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC, MW)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC)

Currently Available

An advance course where students that have previously enrolled and successfully completed Welding Tech I and are enrolled in Welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding III Manu & Fabrication (Locations: PIC, MW, RHS)

Currently Available

Students will demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding Technology I

Currently Available

Welding Tech I starts the course sequence for students interested in the welding and manufacturing pathway. Students will be introduced to the OAW, GMAW, and SMAW processes, along with a variety of cutting processes. Welded joints in the flat and position are performed in the above-mentioned processes as well as visual and guided bend tests that will evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment. This course prepares students for advanced-level welding courses and the opportunity to earn competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking II (Locations: PIC, MW)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Woodworking (Locations: PIC, KW, NC)

Currently Available

Advance Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Work Experience

Currently Available

Students already employed or who expect to be employed during the semester can sign up for the Work Experience Program and earn elective credit. Credit is awarded based on hours worked. Students must work 60 hours to earn .5 credit and 120 hours to earn 1 full credit. Students are also required to be enrolled in the Seminar on Work class and maintain a passing grade. The Work Experience Program provides a realistic perspective of appropriate work habits and attitudes, helps determine suitability for occupations, and enables students to have a clearer and more specific idea about careers. This is a repeatable course.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

World History-Overview A

Currently Available

This advanced course provides students with an overview of the history of human society from the early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking. Collaborative research and cross-curricular connections are required.

Content Area

Social Studies (SS)

Grade Level 11, 12

World History-Overview (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking.

Content Area

Social Studies (SS)

Grade Level 11, 12

Midwest High School Courses

Midwest High School Courses

Agribusiness Management (Locations: PIC, NC, KW)

Currently Available

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

Content Area

Career & Technical Education (CTE)

Grade Level 12

Algebra I

Currently Available

Algebra I will focus on these critical areas: expressions, equations, and functions, linear equations and functions, linear inequalities, systems of linear equalities, exponential equations and functions, quadratic expressions and equations, radical functions and geometry, and statistics and probability.

In Algebra I, instructional time should focus on seven critical areas: (1) Solving multi-step equations and inequalities; (2) Evaluating and recognizing function types (linear, quadratic, exponential) and their characteristics; (3) Graphing linear functions from multiple representations and interpreting the rate of change; (4) Solving linear systems using multiple methods; (5) Representing univariate data; (6) Using properties of exponents to simplify expressions (including rational exponents); and (7) Performing basic operations with polynomials.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Algebra II

Currently Available

Algebra II will focus on these critical areas: equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, inverses and radical functions and relations, exponential and logarithmic functions and relations.

In Algebra II, instructional time should focus on five critical areas: (1) Absolute Value Functions, (2) Quadratic Functions, (3) Polynomial Functions, (4) Radical Functions, and (5) Exponential/Logarithmic Functions.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Anatomy & Physiology (Locations: PIC, KW, MW, RHS)

Currently Available

Anatomy and Physiology is offered to students to understand the structure of the human body and its functions. Students learn anatomical terminology, cells, tissues, organs and functional systems.

Content Area

Science (SC)

Grade Level 11, 12

Animal Production/Science (Location: PIC)

Currently Available

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

AP Chinese Language & Culture. (Location: PIC)

Currently Available

Designed by the College Board to parallel Fourth semester college-level courses in Mandarin Chinese language, AP Chinese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Apparel & Textiles Services (Location: PIC)

Currently Available

This course expands upon various services that concern the care and maintenance of apparel, textiles, and home accessories. Course topics may include upholstery, dry cleaning, commercial sewing, production of fabrics and/or garments, theatrical costume design, and tailoring.

This course is equivalent to Sewing III.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Apparel Construction (Location: PIC)

Currently Available

This course provides students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, costume design, and business management. **This course is equivalent to Sewing II.**

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Aquatics/Water Sports III A

Currently Available

Advanced Aquatic/Water Sports III continues to build on the content and skills addressed in Aquatics/Water Sports I and II.

Content Area

Physical Education/Health (PE)

Grade Level 10, 11, 12

Art Exploratory (Location: PIC)

Currently Available

The students are introduced to three visual art media. This course is intended to introduce students to beginning visual art concepts. The aim of this course is to provide students with the opportunity to explore the visual arts with the goal of potentially more students taking advanced visual art courses.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Astronomy A (Location: PIC)

Currently Available

Astronomy Advance courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomical instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

Content Area

Science (SC)

Grade Level 9, 10, 11, 12

Auto Brakes and Suspension (Locations: PIC, RHS)

Currently Available

This advance course will focus on the various types of brake. It will consist of rigorous instruction and student involvement in many various forms. Students will work with cutting edge training aides and will perform actual work in the lab. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Drivetrain and Axles. (Locations: PIC)

Currently Available

Auto Drivetrain and Axles students will learn about vehicle drivetrains which include transmissions and transfer cases, axles, CV and U-joints, Drivelines and transaxles. Students will be involved in various learning activities ranging from state of the art teaching and lab aides to classroom instruction. Lab work will be rigorous and real. All activities will be ASE aligned. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Electricity and Electronics/Engine Performance (Locations: PIC, RHS)

Currently Available

Auto Electricity and Electronics/ Engine Performance is an advanced course that will focus on the ASE areas of Electricity and Electronics and Engine Performance. Students will learn about reviewing basic electricity from Auto I and then move on to Advanced Electricity/ Electronics. Learning will happen on state of the art trainers and through lab instruction. Classroom instruction will be industry based and aligned with ASE tests and Standards. Engine performance will focus on driveability concerns with emphasis on OBD II computer systems and diagnosis. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Auto I

Currently Available

Auto I will focus on basic auto maintenance and servicing. Students will be introduced to all systems of the automobile and the maintenance required. Students will also learn about basic electrical system function and service. Students will learn about their cars through many different teaching styles. We will use classroom instruction for introducing material and use training aids for most topics. Students will also have the opportunity to work on their own cars in a modern shop fully equipped with diagnostic equipment and tools.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Biology

Currently Available

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include biochemistry, ecology, evolution, genetics, cell structure and function.

Content Area

Science (SC)

Grade Level 10, 11, 12

Cabinetmaking I (Locations: PIC, KW)

Currently Available

Cabinet Making courses provide students with an advanced-level experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Career Exploration

Currently Available

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Chemistry (Locations: PIC, KW, NC, MW)

Currently Available

Chemistry courses involve studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied.

Content Area

Science (SC)

Grade Level 10, 11, 12

Chorus I

Currently Available

Chorus courses provide the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing part

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Chorus II

Currently Available

Chorus II courses provide advanced students the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing parts

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Clothing and Textiles (Locations: PIC, NC)

Currently Available

This course introduces students to various aspects of apparel and home furnishings construction, and the textile industry, conveys the application of design principles, production processes, and maintenance techniques. This course addresses the selection, characteristics, care, and repair of various textiles; operation and care of sewing machines; design, construction, and career opportunities in the garment or textile industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Com Asst Art Animation Motion (Locations: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-assisted art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to solve problems, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Comp Assist Art/Graph Des II (Location: PIC)

Currently Available

Computer-Assisted Art courses enable students to discover and explore how the computer can be used as a tool to communicate visually. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design and photo manipulation while learning creative problem solving skills. Industry-standard software will be implemented such as Adobe Photoshop and Illustrator along with other industry standard software. Students will work towards producing a final marketable portfolio that demonstrates a mastery of technical skills, and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve and multi-task projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Comp Assist Art/Graph Design (Location: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Computer Integrated Manufacturing (Location: PIC)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Computer Programming I (Locations: PIC, KW, NC)

Currently Available

Computer programming provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. This course includes topics such as Boolean logic, selection, iteration, array use and procedures

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Computer Science Principles

Currently Available

Computer Science Principles courses provide students the opportunity use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Concert Band

Currently Available

This course is designed for students to gain experience in Symphonic Band and Marching Band. Extra-curricular rehearsals and performances are required. Students will learn concepts of theory, musical relationships, and contemporary notation practices pertaining to live performances.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Construction I (Locations: PIC, RHS)

Currently Available

Advanced Construction courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation, siding, and painting. Students will receive the OSHA 10 Hour Training Course

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Construction II (Locations: PIC, RHS)

Currently Available

Advanced Construction II courses provide students with knowledge and skills required for construction of commercial and residential structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as safety, concrete work, framing, roofing, flooring, drywall, concrete, carpentry and so on. Students engage in activities such as reading blueprints, scheduling, estimating, permitting. Students may qualify for the OSHA 30 Hour Training Course.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Consumer Math

Currently Available

Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Creative Art - Comprehensive

Currently Available

This course is a survey course exploring the visual arts. Students will become confident with the use of basic drawing, painting, digital, and 3-dimensional techniques and processes. Materials may include colored pencils, watercolors, graphite, paper, clay, or technology. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Draw/Paint I

Currently Available

A course in which the principles and properties of drawing and painting are explored through multiple-media with drawing and painting skills and techniques. May include: charcoal, graphite, pastels, oils, watercolors, acrylics, airbrush.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Painting I (PIC, NC, MW, RHS)

Currently Available

This course covers fundamental painting skills, which can stand independently or be used as a foundation for other visual disciplines. Materials include acrylics, watercolors, and mixed media. Students will become confident with using fundamental painting skills and techniques of the classic painting mediums. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

This course covers the fundamental concepts, methods, and techniques used to create sculpture and pottery. These concepts will be learned and experienced as the students create original 3-dimensional works of art using clay and/or other materials. This is a Pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture II (Locations: PIC, KW, NC)

Currently Available

This course covers the in-depth concepts, methods, and techniques used to create sculpture and pottery. These concepts will be further explored as the students create original 3-dimensional works of art using clay and/or other materials. This is a pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

CTE Exploratory (Location: PIC)

Currently Available

The course is left generalized so that it can be adapted to fit a variety of CTE paths. The aim of this course is to provide students with the opportunity to explore potential CTE interests with the goal of potentially more students taking advanced CTE courses.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 1 Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 3 Restaurant Management (Location: PIC)

Currently Available

Students will complete the National Restaurant Association ProStart I Program, the first year of a two-year industry-driven, school-to-career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches entry level skills and knowledge needed for success in the industry. The comprehensive curriculum and food preparation experiences are the foundation of the program. Topics covered include customer relations, food preparation, accounting, cost control, sanitation and workplace safety. Students will build business and management skills that are transferable to other industries and may earn the ServSafe certification in food handling.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Culinary Arts 4 Culinary Practicum (Location: PIC)

Currently Available

Students in this class will be completing the 2nd year of the National Restaurant Association ProStart Program, a two year industry-driven, school-to-career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches advanced level skills and knowledge needed for success in the industry. Students may earn ServSafe certification as Food Safety Manager and ProStart Certificates of Achievement.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Culinary Arts Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Basics (Location: PIC)

Currently Available

This HOW TO class will provide students with basic preparation skills and knowledge needed to prepare a variety of dishes in a lab setting. The course will cover safety and sanitation, kitchen terms, abbreviations, tools/equipment, and preparation techniques. Students will explore nutritional basics and how it applies to them personally.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Diesel Mechanics Comprehensive (Locations: PIC, RHS)

Currently Available

This advance course prepares students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air-conditioning, charging systems, reading and interpreting service manuals and identifying the principles and components of fuel injection systems. The Course also covers safety. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests on Heating and Air conditioning (HVAC) that is used in industry. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Drivers Education (Location: PIC)

Currently Available

Drivers Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

Content Area

Other (OT)

Grade Level 10, 11, 12

Early Childhood Education I (Location: PIC)

Currently Available

This course prepares students for occupations in child related careers and roles. Instruction is given in child growth and development; child care programs, management, and policies; health and safety concerns; developmentally appropriate learning activities; and writing, preparing, and teaching workable lesson plans in the high school's on-site child care training center

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Early Childhood Education II (Location: PIC)

Currently Available

This course is designed to give students the opportunity to complete the required experience hours and portfolio for the CDA certification in Early Childhood Education. This course will partner with our certified preschools to get the high school students their 480 hours experience and review their 10 core concept areas to pass their certification test at the end of the course for certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Engine Fundamentals

Currently Available

Course will cover 2-stroke, 4-stroke, gas and diesel engine operation. Small engines will be used to introduce students to 4-stroke engine theory. The class will progress to a complete teardown and reassembly of an automotive engine. Students will have the option to install and run their engine on an engine dyno and learn about tuning and power

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

English/Lang Arts I

Currently Available

English/Language Arts I courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the conventions of writing and include the five aspects of language arts: reading, writing, language, speaking, and listening. These courses introduce and define various genres of literature and informational texts, with writing exercises often linked to reading selections.

Content Area

English Language Arts (ELA)

Grade Level 9

English/Lang Arts II

Currently Available

English/Language Arts II courses build on knowledge from Language Arts I in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of world literature and informative texts - including seminal United States documents - students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 10

English/Lang Arts III (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts III courses build on knowledge from Language Arts II in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of American literature and informative texts - including foundational United States documents - students will read and comprehend proficiently. This course is aligned to the common core state standards and is preparatory for the ACT.

Content Area

English Language Arts (ELA)

Grade Level 11

English/Lang Arts IV (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts IV courses build on knowledge from Language Arts III in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of literature (including one Shakespearean play) and informative texts, students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 12

Environmental Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

An introductory Environmental Course offering how humans interact with their environment. Concepts will include ecological interactions, biomes, human population and its effect on the environment, energy resources and analyzing specific ecological problems

Content Area

Science (SC)

Grade Level 11, 12

Film and Television 1 (Locations: PIC, KW, NC)

Currently Available

With an emphasis on narrative form, the course covers basic technical and aesthetic foundation in filmmaking. Students learn to develop craft as well as personal voice through projects that involve writing treatments and screenplays; developing storyboards; producing; lighting; directing; working with actors and crew; sound design; and editing. For the final project, each group produces a short film for entry into the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 2 (Locations: PIC, KW)

Currently Available

This practical hands on course aims to help students refine their aesthetic sensibilities and sense of personal vision as directors through projects that involve screenwriting, storyboards, shooting in a variety of visual styles, producing, directing action, working with actors, and editing. They expand a sense of aesthetic possibilities by the work they do in Film/TV #1 and extend their editing sense through the work they have done

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 3 (Location: PIC)

Currently Available

This project oriented course introduces filmmakers to live television production and post production techniques. Students create short films and videos that are theme based, experiment with non narrative structure, and clearly communicate the filmmaker's intent to the target audience. Students express a chosen theme through several different genres and become conversant with the principles of portable digital video acquisition and nonlinear editing. These students are also responsible for producing the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy

Currently Available

The Financial Literacy course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy - Social Studies (Locations: PIC, KW, NC, MW, RHS)

Currently Available

The Financial Literacy Social Studies course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Social Studies (SS)

Grade Level 11, 12

Forensic Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Forensics science courses introduce students to crime scene investigations and the techniques used to solve crimes. The courses uses all fields of science as they apply to certain situations

Content Area

Science (SC)

Grade Level 11, 12

Freshman Physical Education

Currently Available

Freshman Physical Education courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may also develop and implement a personal fitness plan. This course also provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: aquatics, team sports, individual/ dual sports, and fitness/conditioning activities. It meets the NCSD #1 Physical Education and Health Standards

Content Area

Physical Education/Health (PE)

Grade Level 9

Geometry

Currently Available

Geometry courses emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

In Geometry, instructional time should focus on nine critical areas: (1) geometric terminology, (2) congruence, (3) polygons, (4) similarity, (5) trigonometry, (6) transformations, (7) circles, (8) geometric modeling/solids, and (9) probability.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Graphic Technology I

Currently Available

Graphic Technology courses help students apply artistic and computer techniques to the interpretation of technical and commercial concepts. Topics covered may include computer assisted design, concept sketching, technical drawing, color theory, imaging, studio techniques, still life modeling, and commercial art business operations.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Guitar I

Currently Available

Guitar I is designed for beginning guitarists and will introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. Students with previous experience on guitar should sign up for Guitar II.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Guitar II

Currently Available

This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Horticulture (Location: PIC)

Currently Available

This course challenges students to become experts in the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design. This course is available to all high school students and is located at the PATHWAYS building.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Industry Cert Training (Heavy Equipment Operators) (Location: PIC, MW, RHS)

Currently Available

In a 120 hour class students meet at the center and work on the skills and experience needed to start your career in the Construction Industry. While in training, students have been exposed to practical working conditions likely to be experienced on the job. Students are learning and will be certified to operate a backhoe and front-end loader from the National Center for Construction Education and Research. As they work toward their certification, students are also earning an elective credit through the school district.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Introduction to Robotics Engineering

Currently Available

This is a course dedicated to the introduction of principles and concepts of robotic design and construction. Focus is placed upon an introduction to SolidWorks software, Simple Machines, Basic Sensor operation and usage, as well as some basic level fabrication. Construction will be centered around VEX robotic kits.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Manufacturing Methods I

Currently Available

A course emphasizing solid modeling and manufacturing techniques involved with various CNC equipment and the impacts of CAD on design and production. Manufacturing techniques utilizing CNC plasma, CNC router, laser engraver, waterjet, machining center and 3D printer will be covered in this course.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Miscellaneous-Aide

Currently Available

This course allows students the opportunity to help in the school office, library or for teachers. Duties are nonconfidential simple tasks such as running passes, alphabetizing, sorting mail, organizing classrooms, reshelving books, etc. (Up to half the credit of a regular class can be earned.)

Content Area

Other (OT)

Grade Level 10, 11, 12

Modern US History

Currently Available

Students will examine the continuing evolution of the United States democracy with an analysis of the U.S. Constitution and the unique characteristics of the Wyoming Constitution. Students will examine domestic and foreign conflicts along with the policies that made the United States a superpower following World War II. Students will then analyze and evaluate the implications of the global dominance of the United States.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Nursing I (Location: PIC)

Currently Available

Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Nursing II (Location: PIC)

Currently Available

Nursing II courses continue to place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Photography I (Locations: PIC, KW, NC)

Currently Available

This course covers fundamental camera operations and techniques, paired with a foundational understanding of composition. Students will explore how photography can be used as a creative tool to make photos that communicate ideas, themes, and/or concepts with the viewer. Students will learn industry-standard software, which includes but is not limited to Adobe Photoshop and Lightroom, to edit and manage their photos. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Physical Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as the motion of large objects, momentum, energy, the Big Bang Theory, atomic structure, and interactions of non-contact forces.

Content Area

Science (SC)

Grade Level 9

Physical Science A (Locations: PIC, KW, NC)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as, motion of large objects, momentum, energy, the Big Bang Theory, atomic structure and interactions of non-contact forces at the advanced level.

Content Area

Science (SC)

Grade Level 9

Physics

Currently Available

This introductory physics course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. This course is concept based with minimal emphasis on mathematical skills.

Content Area

Science (SC)

Grade Level 11, 12

Pre-AP Chinese Lang & Culture (Locations: PIC)

Currently Available

Pre-AP Chinese Language and Culture course prepares students to be successful in AP Chinese Language and Culture building upon prior knowledge and developing students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. This course also helps students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts. Students will demonstrate full command of the target language at the Intermediate Low level with scaffolded exposure and practice within the Intermediate Mid level texts and tasks, Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks, and Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Psychology

Currently Available

This course provides students with a basic understanding and introduction to the field of psychology – a science within the Social Sciences that investigates the numerous influences on human behavior and mental processes. Students will participate in a wide variety of classroom activities that allow them to study topics such as: History of Psychology, Scientific Method & Research Methods, Neuroscience, Nature/Nurture Debate, Sensation & Perception, States of Consciousness, Learning, Memory, Cognition, Intelligence & Language, Psychological Disorders & Treatments, and Social Psychology.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Recreation Sports

Currently Available

Students will be engaged in an interdisciplinary approach to the local environments. Students may participate in various outdoor related activities such as: fitness walking, mountain biking, fishing, orienteering, archery, rock-climbing as well as camping, backpacking and survival skills, shooting and firearm safety. This course meets the NCSD #1 Physical Education Standards.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Robotics Engineering II

Currently Available

This course focuses upon prior concepts and will revisit and integrate progressive build challenges centering around robotics kits. Advanced level fabrication and materials studies will be included

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Robotics Engineering III

Currently Available

The Robotics program provides a hands on experience is solving real world challenges and exposes students to physics, mechanics, electronics, programming, business, financial management, teamwork, and leadership. FIRST Tech Challenge program is the vehicle of all aspects for students to experience in robotics.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Sociology

Currently Available

This course provides the student an opportunity to learn and investigate how the social situation and social world significantly influences human behavior. Students will gain a basic level of understanding about social groups and group behaviors - An introduction to the ways in which sociologists research, describe, explain, and predict social behaviors and events. Students will be engaged through a wide variety of classroom activities, which allow for thoughtful study and discussion of social behaviors in the past, present & future.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Spanish I

Currently Available

Designed to introduce students to beginning listening, speaking, reading and writing skills with an introduction to Spanish grammar. Students will learn about the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish II A

Currently Available

Advanced-level course designed to strengthen students' listening, speaking, reading, and writing skills with a continuation of Spanish grammar. Students will learn about the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Statistics (Locations: PIC, KW)

Currently Available

Statistics is a course recommended for students who want to explore introductory statistics using hands-on labs and technology simulations. It could be a precursor to a college level introductory course but is relevant for any post high school path. Topics will include one variable data analysis, normal distribution, data collection, confidence intervals and significance tests.

Content Area

Mathematics (MA)

Grade Level 12

Study Lab

Currently Available

This course provides students with the opportunity and time to complete classroom assignments or school projects. Students typically work on their own, but they are supervised and usually remain in the classroom.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Upholstery (Location: PIC)

Currently Available

Upholstery is an advance course that will teach students the high-need, high-wage skills of automotive and furniture upholstery. Students will be completing hands-on projects to learn the skills necessary for introduction to these skills. Students will demonstrate basic stitching, measuring, pattern drafting, and embroidery to meet basic industry standards

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

US History - Comprehensive

Currently Available

Students will analyze the birth of the modern United States by evaluating and synthesizing the causes and effects of major eras from westward growth through World War II and the origins of the Cold War.

Content Area

Social Studies (SS)

Grade Level 9

Veterinary Science I (Location: PIC)

Currently Available

Veterinary Science students will investigate the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic companion and farm animals. Course topics include anatomy and physiology, nutrition, feeds and feeding, behavior and training, disease prevention, reproduction and genetics, ethics of animal care and animal husbandry, fitting and showing, maintaining equipment and facilities, and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science II (Location: PIC)

Currently Available

Veterinary Science II students will build upon the introductory skills learned in Veterinary Science I. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research and diagnosis, to the development of treatment plans and follow-up, and finally preparing patient billing and client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, veterinary skills, veterinary careers and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science III (Location: PIC)

Currently Available

Veterinary Science III students will build upon the introductory skills learned in Veterinary Science I & II. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment

Content Area

Career & Technical Education (CTE)

Grade Level 12

Veterinary Science IV (Location: PIC)

Currently Available

Veterinary Science IV students will further build upon the introductory skills learned in Veterinary Science I, II & III. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment. In addition, students will be creating a comprehensive health plan for an animal based entity and develop a career portfolio

Content Area

Career & Technical Education (CTE)

Grade Level 12

Weight Train & Conditioning

Currently Available

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This course meets the NCSD #1 Physical Education Standard.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Welding & Manufacturing IV (Locations: PIC, MW)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Welding II FCAW, GTAW (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Flux Cored Arc Welding and Gas Tungsten Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment such as the CNC Plasma torch. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC, MW)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC)

Currently Available

An advance course where students that have previously enrolled and successfully completed Welding Tech I and are enrolled in Welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding III

Currently Available

Students will demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with the instructor to identify specific areas of study. This could include but not listed to work-based learning and NCCER (National Center for Construction Education and Research) Level I and II Certification.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Welding III Manu & Fabrication (Locations: PIC, MW, RHS)

Currently Available

Students will demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding Technology I

Currently Available

Welding Tech I starts the course sequence for students interested in the welding and manufacturing pathway. Students will be introduced to the OAW, GMAW, and SMAW processes, along with a variety of cutting processes. Welded joints in the flat and position are performed in the above-mentioned processes as well as visual and guided bend tests that will evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment. This course prepares students for advanced-level welding courses and the opportunity to earn competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking II (Locations: PIC, MW)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Woodworking (Locations: PIC, KW, NC)

Currently Available

Advance Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Work Experience

Currently Available

Students already employed or who expect to be employed during the semester can sign up for the Work Experience Program and earn elective credit. Credit is awarded based on hours worked. Students must work 60 hours to earn .5 credit and 120 hours to earn 1 full credit. Students are also required to be enrolled in the Seminar on Work class and maintain a passing grade. The Work Experience Program provides a realistic perspective of appropriate work habits and attitudes, helps determine suitability for occupations, and enables students to have a clearer and more specific idea about careers. This is a repeatable course.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

World History-Overview (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking.

Content Area

Social Studies (SS)

Grade Level 11, 12

Natrona County High School Courses

Natrona County High School Courses

9th Essentials ELA

Currently Available

Prerequisite: Individual Education Plan (IEP). These courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually the four aspects of English Language Arts: reading, writing, speaking, and listening. This focus is to remediate and improve reading comprehension, vocabulary and written expression skills.

Content Area

English Language Arts (ELA)

Grade Level 9

9th Grade Grad Prep

Currently Available

One to one Presentation with a counselor. Successful completion of assignments in class. Students identify goals for their first semester. Do not need to be academic. What does it mean to graduate HS Students will learn to navigate and appropriate behavior in the school, on technology students will learn how to use canvas as a tool to access course work

Content Area

Other (OT)

Grade Level 9

10th Essentials ELA

Currently Available

Prerequisite: Individual Education Plan (IEP). These courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually the four aspects of English Language Arts: reading, writing, speaking, and listening. This focus is to remediate and improve reading comprehension, vocabulary and written expression skills.

Content Area

English Language Arts (ELA)

Grade Level 10

11th Essentials ELA

Currently Available

Prerequisite: Individual Education Plan (IEP). These courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually the four aspects of English Language Arts: reading, writing, speaking, and listening. This focus is to remediate and improve reading comprehension, vocabulary and written expression skills.

Content Area

English Language Arts (ELA)

Grade Level 11

12th Essentials ELA

Currently Available

Prerequisite: Individual Education Plan (IEP) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually the four aspects of language use: reading, writing, speaking, and listening. Remediate reading comprehension, vocabulary and written expression skills.

Content Area

English Language Arts (ELA)

Grade Level 12

Adapted Physical Education B

Currently Available

This pull-out class provides small group and individual instruction in physical education skills and modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Advanced Film Broadcasting Media (NCTV)

Currently Available

In this general course, students will create promotions and news broadcasts for the school, create their own films, and freely explore creating compelling narrative fiction films, documentaries, short films, animation, digital media, animation, and more. Students will need to create school-specific social media accounts to which staff and administrators will have access. Students and their parents will be required to sign a contract dealing with social media etiquette, legal guidelines, and terms of use. Any film excerpts or full length films rated above PG will follow the district controversial issues process.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Ag & Natural Resources Comp

Currently Available

Agriculture and Natural Resources—Comprehensive courses cover a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. They may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Ag Independent Study

Currently Available

Courses in Agriculture, Food, and Natural Resources-Independent Study, often conducted with instructors as mentors, enable students to explore topic of interest related to agriculture, food, and natural resources. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

Content Area

Career & Technical Education (CTE)

Grade Level 12

Agribusiness Management (Locations: PIC, NC, KW)

Currently Available

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

Content Area

Career & Technical Education (CTE)

Grade Level 12

Agriculture/Comprehensive

Currently Available

Agriculture—Comprehensive courses cover a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. They may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Algebra Essentials

Currently Available

Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

Content Area

Mathematics (MA)

Grade Level 9, 10

Algebra I

Currently Available

Algebra I will focus on these critical areas: expressions, equations, and functions, linear equations and functions, linear inequalities, systems of linear equalities, exponential equations and functions, quadratic expressions and equations, radical functions and geometry, and statistics and probability.

In Algebra I, instructional time should focus on seven critical areas: (1) Solving multi-step equations and inequalities; (2) Evaluating and recognizing function types (linear, quadratic, exponential) and their characteristics; (3) Graphing linear functions from multiple representations and interpreting the rate of change; (4) Solving linear systems using multiple methods; (5) Representing univariate data; (6) Using properties of exponents to simplify expressions (including rational exponents); and (7) Performing basic operations with polynomials.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Algebra II

Currently Available

Algebra II will focus on these critical areas: equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, inverses and radical functions and relations, exponential and logarithmic functions and relations.

In Algebra II, instructional time should focus on five critical areas: (1) Absolute Value Functions, (2) Quadratic Functions, (3) Polynomial Functions, (4) Radical Functions, and (5) Exponential/Logarithmic Functions.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Algebra II H

Currently Available

Algebra II Honors rigorously focuses on the critical areas: equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, inverses and radical functions and relations, exponential and logarithmic functions and relations. This course also includes statistics and probability, trigonometric functions and relations.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Algebra III

Currently Available

Algebra III includes algebra topics and is usually intended for students who have attained Algebra and Geometry objectives. Topics typically include The Real Number System; Linear Equations and Inequalities in one and two variables; Exponents and Polynomials; Factoring; Rational Expressions; Graphs of Linear Equations and Functions; Systems of Linear Equations; Inequalities and Absolute Values; Roots, Radicals, and Root Functions; Quadratic Equations, Inequalities, and Functions; and Inverse, Exponential, and Logarithmic Functions. **At NCHS, This course meets the requirements of Casper College MATH 920 and MATH 930 using digital resources. Students must complete all 16 modules to earn a math credit.**

Content Area

Mathematics (MA)

Grade Level 11, 12

American Sign Language I

Currently Available

Course will provide beginning level knowledge of American Sign Language, fingerspelling, deafness, and deaf culture. Emphasis will be on developing receptive and expressive language skills within the parameters of sign language using American Council on the Teaching of Foreign Language 5 C's to include: Communication, Culture, Connections, Comparisons and Community.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

American Sign Language II

Currently Available

This course will provide intermediate level instruction in ASL vocabulary, grammar, fingerspelling, deaf history, and deaf culture. Emphasis will be on developing receptive, expressive language skills, and storytelling within the parameters of sign language. Discussions will focus on deafness, current events and related topics within this language.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Anatomy & Physiology A

Currently Available

Anatomy and Physiology Advanced is offered to students who want a greater understanding of the structure and function of the human body. Students will be expected to learn and demonstrate laboratory skills including dissections of organs and small mammals.

Content Area

Science (SC)

Grade Level 11, 12

Anatomy & Physiology (Locations: PIC, KW, MW, RHS)

Currently Available

Anatomy and Physiology is offered to students to understand the structure of the human body and its functions. Students learn anatomical terminology, cells, tissues, organs and functional systems.

Content Area

Science (SC)

Grade Level 11, 12

Animal Production/Science (Location: PIC)

Currently Available

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

AP Calculus AB H

Currently Available

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus; and integral calculus.

Content Area

Mathematics (MA)

Grade Level 11, 12

AP Chinese Language & Culture. (Location: PIC)

Currently Available

Designed by the College Board to parallel Fourth semester college-level courses in Mandarin Chinese language, AP Chinese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

AP Computer Science A H

Currently Available

Following the College Board's suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A courses provide students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. These courses cover such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 10, 11, 12

AP Computer Science Principles

Currently Available

AP Computer Science Principles is an introductory course that introduces students to computer programming, the internet, cyber security concerns, and the impacts of computing technology. This course focuses on seven big ideas which are: creativity, abstraction, data and information, algorithms, programming, the Internet, and global impact. It is taught using six computational thinking practices; connecting computing, creating computational artifacts, abstraction, analyzing problems and artifacts, communicating, and collaborating

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 10, 11, 12

App Development

Currently Available

The App Development curriculum is designed to teach any student to become an app developer where they can bring their own ideas to life. They will get practical experience with the tools, techniques, and concepts needed to build a basic iOS app from scratch. They will also build a foundation in Swift, Xcode, UIKit and networking through hands-on labs and guided projects. By the end of the course, they'll be able to build a fully functioning app of their own design.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 10, 11, 12

Apparel & Textiles Services (Location: PIC)

Currently Available

This course expands upon various services that concern the care and maintenance of apparel, textiles, and home accessories. Course topics may include upholstery, dry cleaning, commercial sewing, production of fabrics and/or garments, theatrical costume design, and tailoring.

This course is equivalent to Sewing III.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Apparel Construction (Location: PIC)

Currently Available

This course provides students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, costume design, and business management. **This course is equivalent to Sewing II.**

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Aquatics/Water Sports I

Currently Available

Aquatic/Water Sports courses help students develop skills useful or necessary in an aquatic environment. They may focus on swimming and competitive strokes, such as freestyle, breaststroke, butterfly, and so on or may involve team-oriented water sports such as water polo and relay swimming. These courses may also include (or concentrate exclusively on) diving and/or lifesaving skills. This course meets the NCSD #1 Physical Education Standards. This class may be repeated for credit.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Aquatics/Water Sports II A

Currently Available

Advanced Aquatic/Water Sports II continues to build on the content and skills addressed in Aquatics/Water Sports I.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Aquatics/Water Sports III A

Currently Available

Advanced Aquatic/Water Sports III continues to build on the content and skills addressed in Aquatics/Water Sports I and II.

Content Area

Physical Education/Health (PE)

Grade Level 10, 11, 12

Art Exploratory (Location: PIC)

Currently Available

The students are introduced to three visual art media. This course is intended to introduce students to beginning visual art concepts. The aim of this course is to provide students with the opportunity to explore the visual arts with the goal of potentially more students taking advanced visual art courses.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Astronomy A (Location: PIC)

Currently Available

Astronomy Advance courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomical instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

Content Area

Science (SC)

Grade Level 9, 10, 11, 12

Auto Brakes and Suspension (Locations: PIC, RHS)

Currently Available

This advance course will focus on the various types of brake. It will consist of rigorous instruction and student involvement in many various forms. Students will work with cutting edge training aides and will perform actual work in the lab. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Drivetrain and Axles. (Locations: PIC)

Currently Available

Auto Drivetrain and Axles students will learn about vehicle drivetrains which include transmissions and transfer cases, axles, CV and U-joints, Drivelines and transaxles. Students will be involved in various learning activities ranging from state of the art teaching and lab aides to classroom instruction. Lab work will be rigorous and real. All activities will be ASE aligned. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Electricity and Electronics/Engine Performance (Locations: PIC, RHS)

Currently Available

Auto Electricity and Electronics/ Engine Performance is an advanced course that will focus on the ASE areas of Electricity and Electronics and Engine Performance. Students will learn about reviewing basic electricity from Auto I and then move on to Advanced Electricity/ Electronics. Learning will happen on state of the art trainers and through lab instruction. Classroom instruction will be industry based and aligned with ASE tests and Standards. Engine performance will focus on driveability concerns with emphasis on OBD II computer systems and diagnosis. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Auto I

Currently Available

Auto I will focus on basic auto maintenance and servicing. Students will be introduced to all systems of the automobile and the maintenance required. Students will also learn about basic electrical system function and service. Students will learn about their cars through many different teaching styles. We will use classroom instruction for introducing material and use training aids for most topics. Students will also have the opportunity to work on their own cars in a modern shop fully equipped with diagnostic equipment and tools.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Beginning Broadcasting Media

Currently Available

In this course, students will explore the history of digital media from the printing press to TikTok, with special emphasis on law and ethics. Students will create digital media to help promote the school and their individual interests. Students will need to create school-specific social media accounts to which staff and administrators will have access. Students and their parents will be required to sign a contract dealing with social media etiquette, legal guidelines, and terms of use.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Biology

Currently Available

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include biochemistry, ecology, evolution, genetics, cell structure and function.

Content Area

Science (SC)

Grade Level 10, 11, 12

Biology A

Currently Available

This Biology Advanced course is designed to provide information regarding the fundamental concepts of life and life processes. This courses include biochemistry, ecology, evolution, genetics, cell structure and function. Students must exhibit excellent reading, writing, and study skills.

Content Area

Science (SC)

Grade Level 10, 11, 12

Biomedical Science

Currently Available

Biomedical science focuses on the study of living organisms with an emphasis on human biology. Students study how to maintain and promote health in living organisms as well as investigate treatment of injuries and disease. This course is designed to lay the scientific foundation for subsequent medical courses such as Nursing, Medical Terminology, Health Occupations, and Pharmacy.

Content Area

Science (SC)

Grade Level 11, 12

Business Law

Currently Available

Business Law is a survey of the American legal system designed to develop an understanding of the fundamentals of business law. Classes are conducted by using text and actual case studies for the purpose of observing the development and application of legal principles in a business activity. Topics covered include the nature of law, courts and court procedures, crimes and torts, contracts, sales, and negotiable instruments. This course provides the student with a working knowledge of the legal framework within which formal business organizations must operate. Students will learn about morals and ethics and how they are applied to our legal system. Students will identify different kinds of laws and crimes. About the relationship between ethics and the law, and the structure of the court system in the United States. Ethics are the rules we use to distinguish right from wrong and guide our behavior. They will learn the basic elements found in an offer and acceptance. Given a case study the students will analyze the case to determine if an acceptance occurred and explain why the contract is legal or not. General agreements will be examined and how they apply to real life.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Cabinetmaking I

Currently Available

Cabinet Making courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Cabinetmaking I (Locations: PIC, KW)

Currently Available

Cabinet Making courses provide students with an advanced-level experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Career Essentials - SkillsUSA

Currently Available

This course will integrate the SkillsUSA Career Essential Fundamental Curriculum into the classroom experience. This curriculum bundle includes all the resources a student will need to earn the fundamental micro-credential. This includes the Career Essentials: Experiences fundamental course as well as its pre- and post-assessment. The Skills USA Career Essentials: Experiences fundamental course is designed for individuals who are freshmen or sophomores in high school seeking a course that will help you develop and practice your employability skills. Through this course, you will implement - practice, receive feedback, and try some more - the 17 Essential Elements of the SkillsUSA Framework. Learners who successfully complete this course will have engaged in workplace experiences, developed an understanding of the relationship between Essential Elements, and so much more. The learning in this course is designed to be contextualized around the life of a 14- to 16-year-old. You will have a rich, meaningful, and individual experience during each project activity and e-learning module completed. Successful completion of this course (a score of 80% or greater) is one of the two requirements for learners to earn the fundamental micro-credential.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Career Exploration in Public & Professional Services

Currently Available

Students will explore the wide variety of occupational pathways to assist them in making informed career decisions. The course will also focus on technology-based research tools, computer literacy skills, and both writing and speaking skills.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Chamber Orchestra

Currently Available

This group performs challenging string orchestra literature and studies music theory as it applies to the orchestral musician. It will focus on small as well large ensemble playing. Performances are required, graded events.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Chemistry (Locations: PIC, KW, NC, MW)

Currently Available

Chemistry courses involve studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied.

Content Area

Science (SC)

Grade Level 10, 11, 12

Child Development/Parenting

Currently Available

This course is intended to provide students with detailed knowledge of how children grow and develop, how to care for them, and to give students practical experience in observing and working with preschool children, and planning activities for them. Course content includes pregnancy and birth processes; responsibilities and difficulties of parenthood; healthy family structure; fundamentals of children's physical, emotional and social development.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Chorus I

Currently Available

Chorus courses provide the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing part

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Chorus II

Currently Available

Chorus II courses provide advanced students the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing parts

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Chorus III

Currently Available

Chorus III courses provide advanced students the opportunity to sing a variety of choral literature styles for men and/or women's voices and are designed to develop vocal techniques and the ability to read/sing parts.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Clothing and Textiles (Locations: PIC, NC)

Currently Available

This course introduces students to various aspects of apparel and home furnishings construction, and the textile industry, conveys the application of design principles, production processes, and maintenance techniques. This course addresses the selection, characteristics, care, and repair of various textiles; operation and care of sewing machines; design, construction, and career opportunities in the garment or textile industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Color Theory & Design

Currently Available

This course covers fundamental two-dimensional art skills, which can stand independently or be used as a foundation for other visual disciplines. Students will become confident with creative problem-solving processes and skills, color theory, elements and principles of design, and abstraction. Materials may include colored pencil, watercolor, ink, acrylic, chalk and oil pastel, charcoal, and mixed media. These concepts will be mastered through the creation and production of original art. This is a Pre-IB class for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Com Asst Art Animation Motion (Locations: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-assisted art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to solve problems, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Commercial Graphic Design

Currently Available

This course will utilize industry recognized printing techniques and technologies to produce promotional products and awards. This course is an introductory course in the design and production of many products that will implement graphics and promotional goods. Including but not limited to: tee shirts, sweatshirts, mugs/bottles, caps, awards, stickers and other promotional products. Each student will produce 4 products that will guide them through the preparation, design, cost analysis and completion of the products on a variety of equipment. The students will then create 1 item that is meant to be for a customer. The student will be introduced to CorelDraw and will use the program to design creative logos and products to be sold at the school store or for NCHS sports teams and extra curricular programs. Students will have the opportunity to create unique awards for clubs and school organizations.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Commercial Music

Currently Available

Commercial music is a performance ensemble class designed for building high-level performance in contemporary commercial/pop music. It will be based on the same curriculum and standards as the jazz ensemble but the content and knowledge will be applied to more commercial/pop music than jazz.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Community Living B

Currently Available

This pull-out class utilizes community and school resources and focuses on the basic functional living skills needed for making the transition from school to daily living.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Comp Assist Art/Graph Des II (Location: PIC)

Currently Available

Computer-Assisted Art courses enable students to discover and explore how the computer can be used as a tool to communicate visually. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design and photo manipulation while learning creative problem solving skills. Industry-standard software will be implemented such as Adobe Photoshop and Illustrator along with other industry standard software. Students will work towards producing a final marketable portfolio that demonstrates a mastery of technical skills, and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve and multi-task projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Comp Assist Art/Graph Design (Location: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Computer Gaming & Design

Currently Available

Computer Gaming and Design courses prepare students to design computer games by studying design, animation, artistic concepts, digital imaging, coding, scripting, multimedia production, and game play strategies. The Game Design in Unity course teaches the fundamentals of designing a game using the most widely accessed and preferred editing engine in the world. The intent of this course is to prepare high school students with the industry related skills needed for the workplace and higher learning environments. By the end of this course, they will understand the design planning process, be knowledgeable of industry related careers, and be able to navigate the Unity environment in order to create 3D games.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Computer Integrated Manufacturing (Location: PIC)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Computer Programming - AI

Currently Available

The Introduction to Artificial Intelligence advanced course teaches students important programming concepts that enable the use of Artificial Intelligence in computer science and society at large. Students will learn how to incorporate basic Artificial Intelligence algorithms in their own work, and consider the social and ethical implications of how Artificial Intelligence is used, and how it plans to be used. Students will develop a series of projects that illustrate the variety of ways Artificial Intelligence can be used to optimize and predict information and processes.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 10, 11, 12

Computer Programming Honors

Currently Available

Computer programming Honors provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. This course includes topics such as Boolean logic, selection, iteration, array use, procedures, file use and structures.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Computer Programming I (Locations: PIC, KW, NC)

Currently Available

Computer programming provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques.

This course includes topics such as Boolean logic, selection, iteration, array use and procedures

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Computer Programming II

Currently Available

Computer Programming II extends programming experience to more advanced data structures and dynamic control of memory allocation using the C++ programming language. The concept of Pointers is explored along with the use of files, 2-dimensional arrays, search, and sort algorithms, and recursion. C++ is an object-oriented programming language used extensively for operating system development, gaming, web browsers, banking applications, database management software, and compilers for new languages.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 10, 11, 12

Computer Science Principles

Currently Available

Computer Science Principles courses provide students the opportunity use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Conceptual Physics

Currently Available

Conceptual Physics courses introduce students to energy and motion, electricity, magnetism, heat, the structure of matter, and how matter reacts to materials and forces

Content Area

Science (SC)

Grade Level 11, 12

Concert Band

Currently Available

This course is designed for students to gain experience in Symphonic Band and Marching Band. Extra-curricular rehearsals and performances are required. Students will learn concepts of theory, musical relationships, and contemporary notation practices pertaining to live performances.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Construction I (Locations: PIC, RHS)

Currently Available

Advanced Construction courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation, siding, and painting. Students will receive the OSHA 10 Hour Training Course

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Construction II (Locations: PIC, RHS)

Currently Available

Advanced Construction II courses provide students with knowledge and skills required for construction of commercial and residential structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as safety, concrete work, framing, roofing, flooring, drywall, concrete, carpentry and so on. Students engage in activities such as reading blueprints, scheduling, estimating, permitting, Students may qualify for the OSHA 30 Hour Training Course.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Construction Management

Currently Available

Construction Management courses introduce students to the concept of the project team, use of documents on a construction site, submittals, shop drawings, jobsite layout, meeting control, safety management, changes and claims forms, documents, and project closeout record keeping. Students will learn and be active with equipment such as miter saws, pneumatic tools, table saws and drills. Students will learn and practice processes such as pouring concrete, framing walls, siding, roofing and interior finish work. Topics may also include construction law, construction contracts, and how to work with owners and subcontractors.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Consumer Math

Currently Available

Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Contemp US Issues - Holocaust

Currently Available

This is a survey class of the literature and history of the Holocaust and related topics. Students will study the history of the Jews, Nazi Germany, the literature that developed during that period of time, present day racism, denial of the Holocaust and political problems of Israel. Requirements will include a research paper and final oral project. Students who are self-motivated and possess self-discipline will succeed.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Cooking Service Survival Skills

Currently Available

This course provides students with instruction regarding nutrition, principles of healthy eating, and the preparation of food. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of advances in food technology, safety, sanitation, management, production, service skills, menu planning, the operation of institutional food establishments and the careers available in the food service industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Creative Art - Drawing I

Currently Available

This course covers fundamental drawing skills, which can stand independently or be used as a foundation for other visual disciplines. Students will become confident with the use of observational drawing skills and the techniques of various drawing materials, which may encompass printmaking processes. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Painting I (PIC, NC, MW, RHS)

Currently Available

This course covers fundamental painting skills, which can stand independently or be used as a foundation for other visual disciplines. Materials include acrylics, watercolors, and mixed media. Students will become confident with using fundamental painting skills and techniques of the classic painting mediums. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

This course covers the fundamental concepts, methods, and techniques used to create sculpture and pottery. These concepts will be learned and experienced as the students create original 3-dimensional works of art using clay and/or other materials. This is a Pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture II (Locations: PIC, KW, NC)

Currently Available

This course covers the in-depth concepts, methods, and techniques used to create sculpture and pottery. These concepts will be further explored as the students create original 3-dimensional works of art using clay and/or other materials. This is a pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Writing I

Currently Available

Creative Writing I is a semester-long course designed to offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and/or other forms of prose. The emphasis of the course is on writing; however, students will analyze their own writing, and the writing of others, both professional and student, to obtain a fuller appreciation of the form and craft. Students will be instructed in writing strategies and techniques; be provided time to write creatively; and be trained to respond constructively to their own writing and the works of their peers.

Content Area

English Language Arts (ELA)

Grade Level 11, 12

CTE Exploratory (Location: PIC)

Currently Available

The course is left generalized so that it can be adapted to fit a variety of CTE paths. The aim of this course is to provide students with the opportunity to explore potential CTE interests with the goal of potentially more students taking advanced CTE courses.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 1 Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 2 Culinary Arts Specialty

Currently Available

Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating cakes, global cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied and will also explore principles of food science and the history and culture of food.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 2 Hospitality Management & Food Service (Locations: PIC, NC)

Currently Available

Food Service courses provide foundational instruction and hands-on experience in the preparation and service of food to groups and for retail sale. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the foodservice industry. Students in this class will operate all aspects of a professional catering business.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Culinary Arts 3 Restaurant Management (Location: PIC)

Currently Available

Students will complete the National Restaurant Association ProStart I Program, the first year of a two-year industry-driven, school-to-career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches entry level skills and knowledge needed for success in the industry. The comprehensive curriculum and food preparation experiences are the foundation of the program. Topics covered include customer relations, food preparation, accounting, cost control, sanitation and workplace safety. Students will build business and management skills that are transferable to other industries and may earn the ServSafe certification in food handling.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Culinary Arts 4 Culinary Practicum (Location: PIC)

Currently Available

Students in this class will be completing the 2nd year of the National Restaurant Association ProStart Program, a two year industry-driven, school- to- career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches advanced level skills and knowledge needed for success in the industry. Students may earn ServSafe certification as Food Safety Manager and ProStart Certificates of Achievement.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Culinary Arts Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Basics (Location: PIC)

Currently Available

This HOW TO class will provide students with basic preparation skills and knowledge needed to prepare a variety of dishes in a lab setting. The course will cover safety and sanitation, kitchen terms, abbreviations, tools/equipment, and preparation techniques. Students will explore nutritional basics and how it applies to them personally.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Diesel Mechanics Comprehensive (Locations: PIC, RHS)

Currently Available

This advance course prepares students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air-conditioning, charging systems, reading and interpreting service manuals and identifying the principles and components of fuel injection systems. The Course also covers safety. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests on Heating and Air conditioning (HVAC) that is used in industry. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Drama - Stagecraft I

Currently Available

Drama—Stagecraft courses are intended to help students develop experience and skill in one or more aspects of theatrical production, but concentrate on stagecraft (such as lighting, costuming, set construction, makeup, stage management, and so on). Initial courses are usually introductory in nature, while more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Drama - Stagecraft II

Currently Available

Students will gain a more in-depth knowledge of various areas of technical theatre production, design, and participation. Subjects include scenic design and construction, sound design, stage lighting, stage and special effects makeup, costuming, theatre business, and stage management. Students are required to participate as stage crew for extra-curricular performances and may be called on to help with other events in the auditorium.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Drama - Stagecraft III

Currently Available

Students will gain a more in-depth knowledge of various areas of technical theatre production, design, and participation. Subjects include scenic design and construction, sound design, stage lighting, stage and special effects makeup, costuming, theatre business, and stage management. Students are required to participate as stage crew for extra-curricular performances and may be called on to help with other events in the auditorium

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Drivers Education (Location: PIC)

Currently Available

Drivers Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

Content Area

Other (OT)

Grade Level 10, 11, 12

Early Childhood Education I (Location: PIC)

Currently Available

This course prepares students for occupations in child related careers and roles. Instruction is given in child growth and development; child care programs, management, and policies; health and safety concerns; developmentally appropriate learning activities; and writing, preparing, and teaching workable lesson plans in the high school's on-site child care training center

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Early Childhood Education II (Location: PIC)

Currently Available

This course is designed to give students the opportunity to complete the required experience hours and portfolio for the CDA certification in Early Childhood Education. This course will partner with our certified preschools to get the high school students their 480 hours experience and review their 10 core concept areas to pass their certification test at the end of the course for certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Engine Fundamentals

Currently Available

Course will cover 2-stroke, 4-stroke, gas and diesel engine operation. Small engines will be used to introduce students to 4-stroke engine theory. The class will progress to a complete teardown and reassembly of an automotive engine. Students will have the option to install and run their engine on an engine dyno and learn about tuning and power

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Engineering Graphics 1

Currently Available

Advance level class that introduces students to board drafting techniques and CAD techniques. Students gain an understanding of board drafting, AutoCAD and Solidworks and the role CAD programs play in industrial applications. Students will learn basic engineering design techniques and how this applies to real world applications. Students will gain an understanding of multi-view drawings, pictorial drawings, dimensioning, and how to read technical drawings. Students will focus on 2D drafting techniques.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Engineering Graphics 2

Currently Available

This advance course is a continuation of Engineering Graphics 1. Students will work in AutoCad and Solidworks and will use 3D modeling techniques to complete most coursework. Students will use the engineering design process to develop ideas into solutions. Students will use CAD software and CNC machines to create student projects.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

English/Lang Arts I

Currently Available

English/Language Arts I courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the conventions of writing and include the five aspects of language arts: reading, writing, language, speaking, and listening. These courses introduce and define various genres of literature and informational texts, with writing exercises often linked to reading selections.

Content Area

English Language Arts (ELA)

Grade Level 9

English/Lang Arts I A

Currently Available

NC--successful completion in advanced classes may enable future enrollment in Pre-International Baccalaureate classes. KW - Pre-AP

Content Area

English Language Arts (ELA)

Grade Level 9

English/Lang Arts II

Currently Available

English/Language Arts II courses build on knowledge from Language Arts I in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of world literature and informative texts - including seminal United States documents - students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 10

English/Lang Arts II H

Currently Available

Successful completion in these advanced classes may enable future enrollment in International Baccalaureate or Pre-AP courses. English/Language Arts II Honors courses build on knowledge from Language Arts I in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of world literature and informative texts - including seminal United States documents - students will read and comprehend independently and proficiently at a deeper level.

Content Area

English Language Arts (ELA)

Grade Level 10

English/Lang Arts III (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts III courses build on knowledge from Language Arts II in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of American literature and informative texts - including foundational United States documents - students will read and comprehend proficiently. This course is aligned to the common core state standards and is preparatory for the ACT.

Content Area

English Language Arts (ELA)

Grade Level 11

English/Lang Arts IV (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts IV courses build on knowledge from Language Arts III in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of literature (including one Shakespearean play) and informative texts, students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 12

English/Lang Arts IV H

Currently Available

A study of the fundamentals of purposeful communication in English. This honors course focuses on reading and writing expository essays, on using effective language for exposition of ideas, and on thinking clearly. Students are to practice synthesizing information, organizing it coherently, and writing clearly.

Content Area

English Language Arts (ELA)

Grade Level 12

Environmental Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

An introductory Environmental Course offering how humans interact with their environment. Concepts will include ecological interactions, biomes, human population and its effect on the environment, energy resources and analyzing specific ecological problems

Content Area

Science (SC)

Grade Level 11, 12

Film and Television 1 (Locations: PIC, KW, NC)

Currently Available

With an emphasis on narrative form, the course covers basic technical and aesthetic foundation in filmmaking. Students learn to develop craft as well as personal voice through projects that involve writing treatments and screenplays; developing storyboards; producing; lighting; directing; working with actors and crew; sound design; and editing. For the final project, each group produces a short film for entry into the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 2 (Locations: PIC, KW)

Currently Available

This practical hands on course aims to help students refine their aesthetic sensibilities and sense of personal vision as directors through projects that involve screenwriting, storyboards, shooting in a variety of visual styles, producing, directing action, working with actors, and editing. They expand a sense of aesthetic possibilities by the work they do in Film/TV #1 and extend their editing sense through the work they have done

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 3 (Location: PIC)

Currently Available

This project oriented course introduces filmmakers to live television production and post production techniques. Students create short films and videos that are theme based, experiment with non narrative structure, and clearly communicate the filmmaker's intent to the target audience. Students express a chosen theme through several different genres and become conversant with the principles of portable digital video acquisition and nonlinear editing. These students are also responsible for producing the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy

Currently Available

The Financial Literacy course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy - Social Studies (Locations: PIC, KW, NC, MW, RHS)

Currently Available

The Financial Literacy Social Studies course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Social Studies (SS)

Grade Level 11, 12

Forensic Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Forensics science courses introduce students to crime scene investigations and the techniques used to solve crimes. The courses uses all fields of science as they apply to certain situations

Content Area

Science (SC)

Grade Level 11, 12

Foundation Math - Other I B

Currently Available

This pull-out class provides group and individual instruction in academic areas of math, through functional, independent living skills and a modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Foundations of Business

Currently Available

Students will explore the wide variety of occupational pathways to assist them in making informed career decisions. The course will also focus on types of businesses and business organizations, computer literacy skills, and both writing and speaking skills. Students will have the opportunity to run the school store.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

French I

Currently Available

Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

French II A

Currently Available

French II Advanced courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Freshman Physical Education

Currently Available

Freshman Physical Education courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may also develop and implement a personal fitness plan. This course also provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: aquatics, team sports, individual/ dual sports, and fitness/conditioning activities. It meets the NCSD #1 Physical Education and Health Standards

Content Area

Physical Education/Health (PE)

Grade Level 9

Geometry

Currently Available

Geometry courses emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

In Geometry, instructional time should focus on nine critical areas: (1) geometric terminology, (2) congruence, (3) polygons, (4) similarity, (5) trigonometry, (6) transformations, (7) circles, (8) geometric modeling/solids, and (9) probability.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Geometry Essentials

Currently Available

Geometry Essentials courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Geometry Honors

Currently Available

Geometry emphasizes an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as a system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles

Content Area

Mathematics (MA)

Grade Level 9

Guitar I

Currently Available

Guitar I is designed for beginning guitarists and will introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. Students with previous experience on guitar should sign up for Guitar II.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Guitar II

Currently Available

This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Guitar III

Currently Available

This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Guitar IV

Currently Available

This course is for Intermediate Guitarists who want to further their technique and musicianship. Students will learn more advanced chords, scales, techniques, improvisation, etc. The course will emphasize reading and playing multi-part literature. Some performances may be required.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Health Care Occupations Comp

Currently Available

Health Care Occupations Comp prepares students with essential knowledge and entry level skills for health care occupations. Students explore the roles and responsibilities, education requirements, and employment opportunities of a variety of health care careers. Topics of study include confidentiality and regulations, medical ethics, infection control, first aid, medical terminology, medical math, and basic anatomy and physiology concepts.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

History of Rock and Roll

Currently Available

This class is designed as a non performance course that will cover the development of rock music from 1900 to present. Many styles of music will be explored, emphasizing the need to appreciate the elements that make this music appealing and its historical and cultural influence.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Horticulture (Location: PIC)

Currently Available

This course challenges students to become experts in the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design. This course is available to all high school students and is located at the PATHWAYS building.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

IB Art/Design H

Currently Available

This course covers independent creative problem-solving skills, explores more advanced art-making techniques while using professional-grade materials, and the development of an overarching theme or concept. This is a supportive, creative environment where artistic risk-taking is encouraged. Materials may include clay, colored pencil, watercolor, ink, acrylic, chalk, oil pastel, charcoal, found objects, and mixed media. These concepts will be mastered by creating and producing original art and preparing students for the IB Visual Art exam. This course does not require students to be full IB students or for students to test if they do not wish to receive IB Credit.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

IB Art/Design II H

Currently Available

This course builds on the foundation of IB Art/Design I and goes deeper into developing a body of work around an overarching theme.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

IB Biology I H

Currently Available

IB Biology courses prepare students to take the International Baccalaureate Biology exams. Students will focus on critical thinking, analysis, evaluation, and generation of scientific information and hypotheses. Laboratory experimentation is an essential component of these courses.vvv

Content Area

Science (SC)

Grade Level 11

IB Biology II H

Currently Available

Second year of IB Biology. Students will continue their focus on critical thinking, analysis, evaluation, and generation of scientific information and hypotheses. Laboratory experimentation continues to be an essential component of these courses.

Content Area

Science (SC)

Grade Level 12

IB Chemistry I H

Currently Available

IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams. Students will focus on critical thinking, analysis, evaluation, and generation of scientific information and hypotheses. Laboratory experimentation is an essential component of these courses

Content Area

Science (SC)

Grade Level 11

IB Chemistry II H

Currently Available

Second year of IB Chemistry. Students will continue their focus on critical thinking, analysis, evaluation, and generation of scientific information and hypotheses. Laboratory experimentation continues to be an essential component of these courses

Content Area

Science (SC)

Grade Level 12

IB Environmental Systems & Soc

Currently Available

IB Environmental Systems courses prepare students to take the International Baccalaureate Environmental Systems exam by providing them with the knowledge, methods, and techniques to understand the nature and functioning of natural systems, the relationships that affect environmental equilibrium, and human impact on the biosphere. Topics also include ecosystem integrity and sustainability, students' own relationships to the environment, and the nature of internationalism in resolving major environmental issues. This is considered an interdisciplinary course.

Content Area

Science (SC)

Grade Level 11, 12

IB History H

Currently Available

The first year of the 2-year IB course leading to the HL exam. This is a BOE course. Students will be expected to use primary sources, to work independently to complete a variety of research projects, and to demonstrate an in-depth understanding of all material. A major research project is required each quarter.

Content Area

Social Studies (SS)

Grade Level 11

IB History II H

Currently Available

The second year of the 2-year IB course leading to the HL exam. Students will explore 20th Century events in depth using a variety of resources both primary and secondary. A major research project is required each quarter. Additional independent study will prepare students to take the AP European History exam.

Content Area

Social Studies (SS)

Grade Level 12

IB Language A III H

Currently Available

IB Language A (English) prepares students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the English language.

Content Area

English Language Arts (ELA)

Grade Level 11

IB Language A IV H

Currently Available

IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the English language.

Content Area

English Language Arts (ELA)

Grade Level 12

IB Language B-French III H

Currently Available

IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Standard level exam will be proficient in social verbal interaction; students preparing for the Higher level exam communicate with greater proficiency. The French III course is the last detailed learning of French structure.

Content Area

World Language (FL)

Grade Level 10, 11, 12

IB Language B-French IV H

Currently Available

IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Standard level exam will be proficient in social verbal interaction; students preparing for the Higher level exam communicate with greater proficiency. French IV begins to use the language as a medium for learning as well as a goal in itself. Topics in culture and the language itself are explored.

Content Area

World Language (FL)

Grade Level 10, 11, 12

IB Language B-French V H

Currently Available

IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Standard level exam will be proficient at communication in various situations. Students preparing for the Higher level exam communicate with greater proficiency. French IV begins to use the language as a medium for learning as well as a goal in itself. Topics in culture and the language itself are explored.

Content Area

World Language (FL)

Grade Level 11, 12

IB Language B-Russian II H

Currently Available

IB Language B—Russian courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

IB Language B-Russian III H

Currently Available

Prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers.

Content Area

World Language (FL)

Grade Level 10, 11, 12

IB Language B-Spanish III H

Currently Available

This IB course emphasizes the ability to read, write, and participate in challenging conversations, debates, and presentations. Students are introduced to both modern and traditional literature with varied texts and techniques will be used throughout the year.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

IB Language B-Spanish IV H

Currently Available

This course emphasizes the ability to read, write, and participate in challenging conversations, debates, and presentations. Students are introduced to both modern and traditional literature with varied texts and techniques will be used throughout the year.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

IB Language B-Spanish V H

Currently Available

This IB course emphasizes the ability to read, write, and participate in challenging conversations, debates, and presentations. Students are introduced to both modern and traditional literature with varied texts and techniques will be used throughout the year.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

IB Language B-Spanish VI H

Currently Available

Involving aspects of the composition, performance and critical analysis of music, the IB course exposes students to forms, styles and functions of music from a wide range of historical and socio-cultural contexts. Students create, participate in, and reflect upon music from their own background and those of others. They develop practical and communicative skills which provide them with the opportunity to engage in music for further study, as well as for lifetime enjoyment.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

IB Math Analysis & Approach H

Currently Available

IB Mathematics courses prepare students to take the International Baccalaureate Mathematics exams at the Subsidiary or Higher level. Topics include operations and properties of number sets; trigonometric functions, equations, and graphs; algebra and coordinate geometry; simultaneous linear equations; polynomial and quadratic functions and equations; calculus, including bi-linear, exponential and logarithmic functions; two dimensional vectors; and probability.

Content Area

Mathematics (MA)

Grade Level 11, 12

IB Math App & Interpretation H

Currently Available

IB Math Applications and Interpretations includes the necessary advanced skills to successfully complete the IB exam. Topics include Number and Algebra, Geometry and Trigonometry, Descriptive Statistics with Applications, Applications with Probability, Mathematical Models, and an Introduction to Differential Calculus.

Content Area

Mathematics (MA)

Grade Level 11, 12

IB Psychology H

Currently Available

This IB course is a detailed overview of the scientific study of behavior and mental processes of humans and animals. Students will study behavior and thought through various perspectives and levels of analysis. Topics include but are not limited to: development of the discipline, research methods, neuroscience, sensation, perception, cognition, sociocultural psychology, development, motivation, emotion, personality, mental disorders, and treatment.

Content Area

Social Studies (SS)

Grade Level 11, 12

IB Psychology H II

Currently Available

IB Psychology II takes a holistic approach that fosters intercultural understanding and respect. In the core of the IB psychology course, the biological level of analysis demonstrates what all humans share, whereas the cognitive and sociocultural levels of analysis reveal the immense diversity of influences that produce human behavior and mental processes. Cultural diversity is explored and students are encouraged to develop empathy for the feelings, needs and lives of others within and outside their own culture. This empathy contributes to an international understanding.

Content Area

Social Studies (SS)

Grade Level 12

IB Soc & Cultural Anthropology

Currently Available

IB Social & Cultural Anthropology is the comparative study of culture and human societies and the exploration of the general principals of social and cultural life. The course places emphasis on comparative perspectives that make cultural assumptions explicit, and contributes to an understanding of contemporary real-world issues such as war and conflict, the environment, poverty, injustice, and human rights.

Content Area

Social Studies (SS)

Grade Level 11, 12

IB Theory of Knowledge H Jr

Currently Available

IB Theory of Knowledge aims to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the basis of knowledge and their verification in academic disciplines with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge. Students will also work on their extended essay during this course. This class is required of all IB diploma candidates.

Content Area

Social Studies (SS)

Grade Level 11

IB Theory of Knowledge H Sr

Currently Available

IB Theory of Knowledge aims to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the basis of knowledge and their verification in academic disciplines with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge. Students will also work on their extended essay during this course. This class is required of all IB diploma candidates.

Content Area

Social Studies (SS)

Grade Level 12

IB World Religions H

Currently Available

This IB course examines the nature and language of religions as they impact culture and history. Students will objectively study a variety of religious perspectives and theories.

Content Area

Social Studies (SS)

Grade Level 11, 12

Independent Study in Chinese

Currently Available

This honors course is open to students enrolled in the NCSD Dual Language Immersion (DLI) program. It is an independent study offered by University of Wyoming that can be taken multiple times depending on student need. The focus of this course is on grammar and writing in Mandarin Chinese.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Individual/Dual Sports

Currently Available

Individual/Dual Sports courses provide students with knowledge, experience, and an opportunity to develop skills in individual, dual, and team sports. This course also includes aerobic conditioning and weight training. This course meets the NCSD #1 Physical Education Standards.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Industry Cert Training (Heavy Equipment Operators) (Location: PIC, MW, RHS)

Currently Available

In a 120 hour class students meet at the center and work on the skills and experience needed to start your career in the Construction Industry. While in training, students have been exposed to practical working conditions likely to be experienced on the job. Students are learning and will be certified to operate a backhoe and front-end loader from the National Center for Construction Education and Research. As they work toward their certification, students are also earning an elective credit through the school district.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Intro to Film

Currently Available

In this course, students will learn how to make film for a variety of purposes including narrative fiction, documentary, short film, digital media, animation and more while learning while watching the greatest example of the form. Students will gain an appreciation for classic films as well as the tools to make their own. Any film excerpts or full length films rated above PG will follow the district controversial issues process.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Introduction to Hospitality & Tourism

Currently Available

Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Students are introduced to career opportunities and employability skills needed to succeed in specific hospitality fields. Students learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Introduction to Robotics Engineering

Currently Available

This is an advanced course dedicated to the introduction of principles and concepts of robotic design and construction. Focus is placed upon an introduction to SolidWorks software, Simple Machines, Basic Sensor operation and usage, as well as some basic level fabrication. Construction will be centered around VEX robotic kits.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Jazz Band

Currently Available

Course is designed for students to develop skills in performing jazz styles as well as studying the history and theory of jazz. Opportunities will be provided for combo and large ensemble performance. Students must also be enrolled in another large ensemble or have directors permission to enroll.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Journalism H

Currently Available

Journalism courses (typically associated with producing a school newspaper, yearbook, or literary magazine) emphasize writing style, technique, production values, and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility, develop students' skills in writing and editing stories, headlines, and captions, and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. Media literacy is also covered to make students more responsible consumers of information. In Journalism Honors, students will be asked to write more in-depth articles for the school's newspaper and will be required to read and respond to more articles than in the regular class. They will also be expected to study the elements of publication design independently.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Journalism I

Currently Available

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. Media literacy is also covered to make students more responsible consumers of information

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Language Arts Laboratory I B

Currently Available

This pull-out class provides group and individual instruction in academic areas of reading and language, through functional, independent living skills and a modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Leadership

Currently Available

Leadership courses are designed to strengthen students' personal and group leadership skills. These courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics within the personal, local community and international realms. This course can be taken multiple times for credit.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Marketing-Comprehensive

Currently Available

Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are often covered as well.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Misc Independent Study I B

Currently Available

The ABLE Program is located off campus and provides community based instruction in life skills. It focused on training and community connections in all transition areas; post secondary education, daily living skills/ independent living, employment, community participation, and recreation/leisure activities. Students in this program are working under Expanded or Vocational Standards.

Content Area

Other (OT)

Grade Level 12

Miscellaneous-Aide

Currently Available

This course allows students the opportunity to help in the school office, library or for teachers. Duties are nonconfidential simple tasks such as running passes, alphabetizing, sorting mail, organizing classrooms, reshelving books, etc. (Up to half the credit of a regular class can be earned.)

Content Area

Other (OT)

Grade Level 10, 11, 12

Modern US History

Currently Available

Students will examine the continuing evolution of the United States democracy with an analysis of the U.S. Constitution and the unique characteristics of the Wyoming Constitution. Students will examine domestic and foreign conflicts along with the policies that made the United States a superpower following World War II. Students will then analyze and evaluate the implications of the global dominance of the United States.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Modern US History H

Currently Available

A challenging research oriented study of the government, history, and economics of the United States in the 20th Century at the honors level. Through the study of both primary and secondary sources, the student will analyze information for its value and quality, which will be then covered in discussions, essays, and tests. Major research projects are required each semester.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Music-Independent Study

Currently Available

Music—Independent Study courses, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10

Music-Independent Study H

Currently Available

Music—Independent Study Honors courses, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Mythology

Currently Available

Mythology courses introduce students to the origins and meaning of myths, including how cultures use myths to explain natural or social phenomenon. Students will explore the major themes, stories, characters, and archetypes present in the mythologies of several different cultures.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Nursing I (Location: PIC)

Currently Available

Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Nursing II (Location: PIC)

Currently Available

Nursing II courses continue to place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Orchestra

Currently Available

A study and performance of string orchestra literature and music theory as it applies to the orchestral musician. Performances are required, graded performances.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Percussion

Currently Available

Course is designed for students to gain mastery at the appropriate individual developmental level in the areas of rudimentary drumming, accessory instrument performance, mallet keyboard performance, and trap set performance. The first quarter of the year will focus entirely on drum line performance. Extra-curricular performances and rehearsals are required.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Photography I (Locations: PIC, KW, NC)

Currently Available

This course covers fundamental camera operations and techniques, paired with a foundational understanding of composition. Students will explore how photography can be used as a creative tool to make photos that communicate ideas, themes, and/or concepts with the viewer. Students will learn industry-standard software, which includes but is not limited to Adobe Photoshop and Lightroom, to edit and manage their photos. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Photography II

Currently Available

This course dives deeper into Photography as a creative and artistic medium driven by students' ideas leading to creating original artworks. Students will explore more advanced techniques while using professional-grade equipment. This class allows students to independently develop and explore ideas/concepts in a supportive, creative environment where artistic risk-taking is encouraged. Students will continue to expand upon their knowledge of industry-standard software, which includes but is not limited to Adobe Photoshop and Lightroom, to edit and manage their photos. Students may also explore various mixed media and analog photographic techniques.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Physical Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as the motion of large objects, momentum, energy, the Big Bang Theory, atomic structure, and interactions of non-contact forces.

Content Area

Science (SC)

Grade Level 9

Physical Science A (Locations: PIC, KW, NC)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as, motion of large objects, momentum, energy, the Big Bang Theory, atomic structure and interactions of non-contact forces at the advanced level.

Content Area

Science (SC)

Grade Level 9

Physics-Advanced Studies I A

Currently Available

Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

Content Area

Science (SC)

Grade Level 11, 12

Piano Lab

Currently Available

Piano lab is a course designed to introduce students to piano playing. Students will receive whole group as well as individualized instruction. Students will play pieces aligned with their abilities. Students will participate in piano recitals on a semester basis.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Pinterest Woodcraft

Currently Available

Pinterest Woodcraft is intended for students to utilize Pinterest and similar online resources to develop project plans they are excited to build. This course is designed for students with, or without previous experience in woodworking. The objectives of the course will be achieved through students learning to use woodworking tools, power equipment, and adhesives while building personal projects. The purpose for this class is to empower kids to take ownership in the craft and enjoyment of woodworking.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Pre Algebra

Currently Available

Pre-Algebra will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures.

Content Area

Mathematics (MA)

Grade Level 9

Pre-AP Chinese Lang & Culture (Locations: PIC)

Currently Available

Pre-AP Chinese Language and Culture course prepares students to be successful in AP Chinese Language and Culture building upon prior knowledge and developing students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. This course also helps students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts. Students will demonstrate full command of the target language at the Intermediate Low level with scaffolded exposure and practice within the Intermediate Mid level texts and tasks, Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks, and Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

PreCalc/Alg/Trig H

Currently Available

This honors course addresses elementary functions and graphing for mathematics, science, business, and engineering majors preparing for the regular calculus sequence. Includes exponential and logarithmic functions. The study of the Unit Circle and right triangle approaches, including identities, trigonometric equations, applications of trigonometric functions, and conics. Designed for mathematics, science and engineering majors preparing for the regular calculus sequence. Also includes elementary algebraic and trigonometric functions and graphing for mathematics, science, and engineering majors preparing for the regular calculus sequence.

Content Area

Mathematics (MA)

Grade Level 11, 12

PreCalculus IB Honors

Currently Available

Pre-Calculus IB is a course that includes the necessary advanced algebraic and trigonometric skills to be successful in Calculus AP or IB Math. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; the polar coordinate system; vectors; sequences and series.

Content Area

Mathematics (MA)

Grade Level 11, 12

Principles of Algebra & Geom

Currently Available

Principles of Algebra and Geometry courses combine the study of some pre-algebra and algebra topics with introductory geometry topics. These courses include the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.

Content Area

Mathematics (MA)

Grade Level 11, 12

Psychology

Currently Available

This course provides students with a basic understanding and introduction to the field of psychology – a science within the Social Sciences that investigates the numerous influences on human behavior and mental processes. Students will participate in a wide variety of classroom activities that allow them to study topics such as: History of Psychology, Scientific Method & Research Methods, Neuroscience, Nature/Nurture Debate, Sensation & Perception, States of Consciousness, Learning, Memory, Cognition, Intelligence & Language, Psychological Disorders & Treatments, and Social Psychology.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Publication Production

Currently Available

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper and yearbook. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. Students will also be expected to sell ads for both the newspaper and the yearbook. The selling of ads teaches students real-world skills of face to face interaction in a business setting and is needed to produce student publications.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Publication Production H

Currently Available

Students going for honors credit in this class will be expected to put in an extra 5 hours a week outside of class to produce the student publications. This could be done by taking pictures at events, working on layout for the yearbook, doing interviews for stories, etc.

Content Area

English Language Arts (ELA)

Grade Level 10, 11, 12

Recreation Sports

Currently Available

Students will be engaged in an interdisciplinary approach to the local environments. Students may participate in various outdoor related activities such as: fitness walking, mountain biking, fishing, orienteering, archery, rock-climbing as well as camping, backpacking and survival skills, shooting and firearm safety. This course meets the NCSD #1 Physical Education Standards.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Robotics Engineering II

Currently Available

This course focuses upon prior concepts and will revisit and integrate progressive build challenges centering around robotics kits. Advanced level fabrication and materials studies will be included.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

ROTC - The Developing Leader

Currently Available

The Army Junior ROTC course is a four year program with the goal of motivating young people to be better citizens. The JROTC program develops this goal using the venue of leadership. The first level is the Developing Leader. The second level is the Emerging Leader. The third level is the Supervising Leader. The fourth level is the Managing Leader. All of these levels build on developing the leadership ability of the cadet. The building blocks are self awareness, goal setting, decision making, team building, management, project management, personal and career planning. Academic success is developed using study skills, thinking maps, developing and improving communication skills and styles through writing and speaking, multiple intelligences. Leadership is developed through placing cadets in leadership positions. across all four years of the program. Electives are available in civics, conflict resolution, ethics, and career planning. Cadets participate in a wide variety of school and community service projects to get the feel of serving the community they live in.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

ROTC - The Emerging Leader

Currently Available

The Army Junior ROTC course is a four year program with the goal of motivating young people to be better citizens. The JROTC program develops this goal using the venue of leadership. The first level is the Developing Leader. The second level is the Emerging Leader. The third level is the Supervising Leader. The fourth level is the Managing Leader. All of these levels build on developing the leadership ability of the cadet. The building blocks are self awareness, goal setting, decision making, team building, management, project management, personal and career planning. Academic success is developed using study skills, thinking maps, developing and improving communication skills and styles through writing and speaking, multiple intelligences. Leadership is developed through placing cadets in leadership positions. across all four years of the program. Electives are available in civics, conflict resolution, ethics, and career planning. Cadets participate in a wide variety of school and community service projects to get the feel of serving the community they live in.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

ROTC - The Managing Leader

Currently Available

The Army Junior ROTC course is a four year program with the goal of motivating young people to be better citizens. The JROTC program develops this goal using the venue of leadership. The first level is the Developing Leader. The second level is the Emerging Leader. The third level is the Supervising Leader. The fourth level is the Managing Leader. All of these levels build on developing the leadership ability of the cadet. The building blocks are self awareness, goal setting, decision making, team building, management, project management, personal and career planning. Academic success is developed using study skills, thinking maps, developing and improving communication skills and styles through writing and speaking, multiple intelligences. Leadership is developed through placing cadets in leadership positions. across all four years of the program. Electives are available in civics, conflict resolution, ethics, and career planning. Cadets participate in a wide variety of school and community service projects to get the feel of serving the community they live in.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

ROTC - The Supervising Leader

Currently Available

The Army Junior ROTC course is a four year program with the goal of motivating young people to be better citizens. The JROTC program develops this goal using the venue of leadership. The first level is the Developing Leader. The second level is the Emerging Leader. The third level is the Supervising Leader. The fourth level is the Managing Leader. All of these levels build on developing the leadership ability of the cadet. The building blocks are self awareness, goal setting, decision making, team building, management, project management, personal and career planning. Academic success is developed using study skills, thinking maps, developing and improving communication skills and styles through writing and speaking, multiple intelligences. Leadership is developed through placing cadets in leadership positions. across all four years of the program. Electives are available in civics, conflict resolution, ethics, and career planning. Cadets participate in a wide variety of school and community service projects to get the feel of serving the community they live in.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

ROTC Drill

Currently Available

Reserve Officer Training Corps (ROTC) Drill courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Introduction to Drill and Ceremonies, their history and purpose. The precision and timing of drill to promote skill, teamwork, and discipline. Students will be introduced to roles of leaders and their followers in drill and they will examine how leaders use their leadership skills to prepare themselves for taking charge during drill. Students will implement leadership skills in developing and performing exhibition and regulation drill during competitions and demonstrations for JROTC and civic functions.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

ROTC Rifle Marksmanship

Currently Available

This course presents the fundamentals of competitive shooting sports. Provides a foundation of rifle and range safety. Teaches and allows practice in the three shooting positions: offhand, kneeling, and prone. Allows students to practice and compete competitively at the local, regional, and national level.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Russian I A

Currently Available

Designed to introduce students to Russian language and culture, Russian I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Russian culture is introduced through the art, literature, customs, and history of the Russian-speaking people.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Scientific Research & Design A

Currently Available

In the Scientific Research and Design Advanced course, students conceive of, design, and complete multiple projects using scientific inquiry and experimentation methodologies. The content emphasizes Biology and Chemistry and is a Pre-IB course.

Content Area

Science (SC)

Grade Level 10, 11

Second Year Chinese I

Currently Available

Dual College Chinese I Course taught at University of Wyoming.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Second Year Chinese II

Currently Available

Dual College Chinese II Course taught at University of Wyoming.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Social Develop Instruction B

Currently Available

Social Development Instruction courses teach students the social skills needed for independent functioning within the community

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Sociology

Currently Available

This course provides the student an opportunity to learn and investigate how the social situation and social world significantly influences human behavior. Students will gain a basic level of understanding about social groups and group behaviors - An introduction to the ways in which sociologists research, describe, explain, and predict social behaviors and events. Students will be engaged through a wide variety of classroom activities, which allow for thoughtful study and discussion of social behaviors in the past, present & future.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Spanish for Heritage Speakers

Currently Available

This course is designed for the Spanish heritage speakers with an emphasis on literacy using all four skills of reading, writing, speaking, and listening. It is taught in the Spanish language with an introduction to novels, plays, and poetry while being exposed to the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish I

Currently Available

Designed to introduce students to beginning listening, speaking, reading and writing skills with an introduction to Spanish grammar. Students will learn about the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish II A

Currently Available

Advanced-level course designed to strengthen students' listening, speaking, reading, and writing skills with a continuation of Spanish grammar. Students will learn about the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish II A

Currently Available

Advanced-level course designed to strengthen students' listening, speaking, reading, and writing skills with a continuation of Spanish grammar. Students will learn about the cultures of the Spanish speaking world.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Specific Sports Activities

Currently Available

This class is designed to familiarize the student with various lifetime sports such as tennis, golf, racquetball, wallyball, skating, bowling and outdoor ed. Meets the NCSD #1 Physical Education Standards. May be repeated for elective credit.

Content Area

Physical Education/Health (PE)

Grade Level 10, 11, 12

Sports Medicine 1

Currently Available

Students will explore careers in sports medicine. Topics will include healthcare professions and the sports medicine team, legal considerations in healthcare, emergency planning and treatment, introduction to taping and wrapping, and therapeutic modalities. This course is a prerequisite for Sports Medicine 2, followed by Sports Medicine 3.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Statistics (Locations: PIC, KW)

Currently Available

Statistics is a course recommended for students who want to explore introductory statistics using hands-on labs and technology simulations. It could be a precursor to a college level introductory course but is relevant for any post high school path. Topics will include one variable data analysis, normal distribution, data collection, confidence intervals and significance tests.

Content Area

Mathematics (MA)

Grade Level 12

Strategic Reading

Currently Available

Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text. While this course grants Carnegie credit needed for graduation for the requirement of a general elective in regards to a high school diploma, it does NOT meet the proficiency requirements for ELA for a high school diploma.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Study Skills I B

Currently Available

In this strategies-based course, students will learn and apply strategies that will enhance comprehension of core content, to include but not be limited to, the use of universal design, use of technology, use of graphic organizers, research-based comprehension and problem solving strategies. Minimal support and time will be available for homework completion.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Theatre I

Currently Available

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Theatre II

Currently Available

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Theatre III

Currently Available

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Theatre IV

Currently Available

Drama—Comprehensive courses are intended to help develop students' experience and skill in one or more aspects of theatrical production. Initial courses are usually introductory in nature, providing an overview of the features of drama such as acting, set design, stage management, and so on. The more advanced courses concentrate on improving technique, expanding students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. These courses may also provide a discussion of career opportunities in the theater.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Trigonometry/Algebra III A

Currently Available

This advanced course covers topics of both trigonometry and advanced algebra. This course prepares students for eventual work in Math Analysis / IB Math Application & Interpretation Honors. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic exponential, and rational functions and their graphs.

Content Area

Mathematics (MA)

Grade Level 11, 12

Tutorial

Currently Available

This is a class that helps ELL students apply English speaking skills across all content areas

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Tutoring Practicum I

Currently Available

Tutoring Practicum courses provide students with the opportunity to offer tutorial assistance to their peers or to younger students. After an initial training period during which students learn how to work with other students and how to make use of the available resources (e.g., staff, written material, audiovisual aids, and so on), students engage in tutoring and assisting others who need or request help.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Upholstery (Location: PIC)

Currently Available

Upholstery is an advance course that will teach students the high-need, high-wage skills of automotive and furniture upholstery. Students will be completing hands-on projects to learn the skills necessary for introduction to these skills. Students will demonstrate basic stitching, measuring, pattern drafting, and embroidery to meet basic industry standards

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

US History - Comprehensive

Currently Available

Students will analyze the birth of the modern United States by evaluating and synthesizing the causes and effects of major eras from westward growth through World War II and the origins of the Cold War.

Content Area

Social Studies (SS)

Grade Level 9

US History - Comprehensive A

Currently Available

This advanced course provides students with the history of the United States, examining time periods from Reconstruction through World War II. These courses typically include a historical overview of government, political, military, scientific, and social developments. It also includes the study of Wyoming history, the Wyoming State Constitution and geography. Major research projects are required each semester.

Content Area

Social Studies (SS)

Grade Level 9

US and Wyoming Government H

Currently Available

This honors course explores the organization and nature of the American national government and Wyoming state government and their constitutional development. This course is concurrent with POLS 1000 and satisfies the statutory requirement for instruction in the constitutions of the United States and Wyoming.

Content Area

Social Studies (SS)

Grade Level 12

Veterinary Science I (Location: PIC)

Currently Available

Veterinary Science students will investigate the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic companion and farm animals. Course topics include anatomy and physiology, nutrition, feeds and feeding, behavior and training, disease prevention, reproduction and genetics, ethics of animal care and animal husbandry, fitting and showing, maintaining equipment and facilities, and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science II (Location: PIC)

Currently Available

Veterinary Science II students will build upon the introductory skills learned in Veterinary Science I. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research and diagnosis, to the development of treatment plans and follow-up, and finally preparing patient billing and client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, veterinary skills, veterinary careers and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science III (Location: PIC)

Currently Available

Veterinary Science III students will build upon the introductory skills learned in Veterinary Science I & II. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment

Content Area

Career & Technical Education (CTE)

Grade Level 12

Veterinary Science IV (Location: PIC)

Currently Available

Veterinary Science IV students will further build upon the introductory skills learned in Veterinary Science I, II & III. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment. In addition, students will be creating a comprehensive health plan for an animal based entity and develop a career portfolio

Content Area

Career & Technical Education (CTE)

Grade Level 12

Visual Arts - Ind Study I A

Currently Available

This advanced course is a concurrent enrollment course with IB Art/Design. It allows students time to prepare to take the IB Art/Design exam.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Vocal Ensemble

Currently Available

Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble. Course goals may include the development of solo singing and improvisation and may emphasize one or several ensemble literature styles.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Web Page Design I

Currently Available

Web Page Design I is an advanced course that teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and the Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Weight Train & Conditioning

Currently Available

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This course meets the NCSD #1 Physical Education Standard.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Welding & Manufacturing IV (Locations: PIC, MW)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Welding I

Currently Available

Nursing II courses continue to place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Welding II FCAW, GTAW (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Flux Cored Arc Welding and Gas Tungsten Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment such as the CNC Plasma torch. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC, MW)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC)

Currently Available

An advance course where students that have previously enrolled and successfully completed Welding Tech I and are enrolled in Welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding III Manu & Fabrication (Locations: PIC, MW, RHS)

Currently Available

Students will demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding Technology I

Currently Available

Welding Tech I starts the course sequence for students interested in the welding and manufacturing pathway. Students will be introduced to the OAW, GMAW, and SMAW processes, along with a variety of cutting processes. Welded joints in the flat and position are performed in the above-mentioned processes as well as visual and guided bend tests that will evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment. This course prepares students for advanced-level welding courses and the opportunity to earn competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking II (Locations: PIC, MW)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Woodworking (Locations: PIC, KW, NC)

Currently Available

Advance Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Work Experience

Currently Available

Students already employed or who expect to be employed during the semester can sign up for the Work Experience Program and earn elective credit. Credit is awarded based on hours worked. Students must work 60 hours to earn .5 credit and 120 hours to earn 1 full credit. Students are also required to be enrolled in the Seminar on Work class and maintain a passing grade. The Work Experience Program provides a realistic perspective of appropriate work habits and attitudes, helps determine suitability for occupations, and enables students to have a clearer and more specific idea about careers. This is a repeatable course.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

World Area Studies Asia/Africa

Currently Available

This course offers a survey of the history of Asia from ancient civilizations to modern times. This course focuses on the study of India, China, Japan, and may include other areas of interest. Literacy skills will be a focus through the use of historical analysis. This course offers a survey of the history of Africa from ancient civilizations to modern times. This course includes the study of human beginnings, ancient kingdoms, Islamic influences and the Ottoman Empire, colonization and nationalism, and the ever-changing political climate of the continent.

Content Area

Social Studies (SS)

Grade Level 9, 10, 11, 12

World History-Overview A

Currently Available

This advanced course provides students with an overview of the history of human society from the early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking. Collaborative research and cross-curricular connections are required.

Content Area

Social Studies (SS)

Grade Level 11, 12

World History-Overview (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking.

Content Area

Social Studies (SS)

Grade Level 11, 12

Roosevelt High School Courses

Roosevelt High School Courses

Adapted Physical Education B

Currently Available

This pull-out class provides small group and individual instruction in physical education skills and modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Agribusiness Management (Locations: PIC, NC, KW)

Currently Available

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

Content Area

Career & Technical Education (CTE)

Grade Level 12

Algebra I

Currently Available

Algebra I will focus on these critical areas: expressions, equations, and functions, linear equations and functions, linear inequalities, systems of linear equalities, exponential equations and functions, quadratic expressions and equations, radical functions and geometry, and statistics and probability.

In Algebra I, instructional time should focus on seven critical areas: (1) Solving multi-step equations and inequalities; (2) Evaluating and recognizing function types (linear, quadratic, exponential) and their characteristics; (3) Graphing linear functions from multiple representations and interpreting the rate of change; (4) Solving linear systems using multiple methods; (5) Representing univariate data; (6) Using properties of exponents to simplify expressions (including rational exponents); and (7) Performing basic operations with polynomials.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Algebra II

Currently Available

Algebra II will focus on these critical areas: equations and inequalities, linear relations and functions, systems of equations and inequalities, quadratic functions and relations, polynomials and polynomial functions, inverses and radical functions and relations, exponential and logarithmic functions and relations.

In Algebra II, instructional time should focus on five critical areas: (1) Absolute Value Functions, (2) Quadratic Functions, (3) Polynomial Functions, (4) Radical Functions, and (5) Exponential/Logarithmic Functions.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Anatomy & Physiology (Locations: PIC, KW, MW, RHS)

Currently Available

Anatomy and Physiology is offered to students to understand the structure of the human body and its functions. Students learn anatomical terminology, cells, tissues, organs and functional systems.

Content Area

Science (SC)

Grade Level 11, 12

Animal Production/Science (Location: PIC)

Currently Available

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

AP Chinese Language & Culture. (Location: PIC)

Currently Available

Designed by the College Board to parallel Fourth semester college-level courses in Mandarin Chinese language, AP Chinese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Apparel & Textiles Services (Location: PIC)

Currently Available

This course expands upon various services that concern the care and maintenance of apparel, textiles, and home accessories. Course topics may include upholstery, dry cleaning, commercial sewing, production of fabrics and/or garments, theatrical costume design, and tailoring.

This course is equivalent to Sewing III.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Apparel Construction (Location: PIC)

Currently Available

This course provides students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, costume design, and business management. **This course is equivalent to Sewing II.**

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Art Exploratory (Location: PIC)

Currently Available

The students are introduced to three visual art media. This course is intended to introduce students to beginning visual art concepts. The aim of this course is to provide students with the opportunity to explore the visual arts with the goal of potentially more students taking advanced visual art courses.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Astronomy A (Location: PIC)

Currently Available

Astronomy Advance courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomical instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

Content Area

Science (SC)

Grade Level 9, 10, 11, 12

Auto Brakes and Suspension (Locations: PIC, RHS)

Currently Available

This advance course will focus on the various types of brake. It will consist of rigorous instruction and student involvement in many various forms. Students will work with cutting edge training aides and will perform actual work in the lab. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Drivetrain and Axles. (Locations: PIC)

Currently Available

Auto Drivetrain and Axles students will learn about vehicle drivetrains which include transmissions and transfer cases, axles, CV and U-joints, Drivelines and transaxles. Students will be involved in various learning activities ranging from state of the art teaching and lab aides to classroom instruction. Lab work will be rigorous and real. All activities will be ASE aligned. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Electricity and Electronics/Engine Performance (Locations: PIC, RHS)

Currently Available

Auto Electricity and Electronics/ Engine Performance is an advanced course that will focus on the ASE areas of Electricity and Electronics and Engine Performance. Students will learn about reviewing basic electricity from Auto I and then move on to Advanced Electricity/ Electronics. Learning will happen on state of the art trainers and through lab instruction. Classroom instruction will be industry based and aligned with ASE tests and Standards. Engine performance will focus on driveability concerns with emphasis on OBD II computer systems and diagnosis. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Auto I

Currently Available

Auto I will focus on basic auto maintenance and servicing. Students will be introduced to all systems of the automobile and the maintenance required. Students will also learn about basic electrical system function and service. Students will learn about their cars through many different teaching styles. We will use classroom instruction for introducing material and use training aids for most topics. Students will also have the opportunity to work on their own cars in a modern shop fully equipped with diagnostic equipment and tools.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Biology

Currently Available

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include biochemistry, ecology, evolution, genetics, cell structure and function.

Content Area

Science (SC)

Grade Level 10, 11, 12

Cabinetmaking I

Currently Available

Cabinet Making courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Cabinetmaking I (Locations: PIC, KW)

Currently Available

Cabinet Making courses provide students with an advanced-level experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Career Exploration

Currently Available

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Chemistry (Locations: PIC, KW, NC, MW)

Currently Available

Chemistry courses involve studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied.

Content Area

Science (SC)

Grade Level 10, 11, 12

Clothing and Textiles (Locations: PIC, NC)

Currently Available

This course introduces students to various aspects of apparel and home furnishings construction, and the textile industry, conveys the application of design principles, production processes, and maintenance techniques. This course addresses the selection, characteristics, care, and repair of various textiles; operation and care of sewing machines; design, construction, and career opportunities in the garment or textile industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Com Asst Art Animation Motion (Locations: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-assisted art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to solve problems, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Community Living B

Currently Available

This pull-out class utilizes community and school resources and focuses on the basic functional living skills needed for making the transition from school to daily living.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Comp Assist Art/Graph Des II (Location: PIC)

Currently Available

Computer-Assisted Art courses enable students to discover and explore how the computer can be used as a tool to communicate visually. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design and photo manipulation while learning creative problem solving skills. Industry-standard software will be implemented such as Adobe Photoshop and Illustrator along with other industry standard software. Students will work towards producing a final marketable portfolio that demonstrates a mastery of technical skills, and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve and multi-task projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Comp Assist Art/Graph Design (Location: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Computer Applications I

Currently Available

In Computer Applications, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including word-processing, spreadsheet, graphics, and database programs.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Computer Integrated Manufacturing (Location: PIC)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Computer Programming I (Locations: PIC, KW, NC)

Currently Available

Computer programming provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. This course includes topics such as Boolean logic, selection, iteration, array use and procedures

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Construction I (Locations: PIC, RHS)

Currently Available

Advanced Construction courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation, siding, and painting. Students will receive the OSHA 10 Hour Training Course

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Construction II (Locations: PIC, RHS)

Currently Available

Advanced Construction II courses provide students with knowledge and skills required for construction of commercial and residential structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as safety, concrete work, framing, roofing, flooring, drywall, concrete, carpentry and so on. Students engage in activities such as reading blueprints, scheduling, estimating, permitting. Students may qualify for the OSHA 30 Hour Training Course.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Contemp US Issues - Holocaust

Currently Available

This is a survey class of the literature and history of the Holocaust and related topics. Students will study the history of the Jews, Nazi Germany, the literature that developed during that period of time, present day racism, denial of the Holocaust and political problems of Israel. Requirements will include a research paper and final oral project. Students who are self-motivated and possess self-discipline will succeed.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Contemporary World Issues

Currently Available

Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions.

Content Area

Social Studies (SS)

Grade Level 11, 12

Creative Art - Comprehensive

Currently Available

This course is a survey course exploring the visual arts. Students will become confident with the use of basic drawing, painting, digital, and 3-dimensional techniques and processes. Materials may include colored pencils, watercolors, graphite, paper, clay, or technology. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Drawing I

Currently Available

This course covers fundamental drawing skills, which can stand independently or be used as a foundation for other visual disciplines. Students will become confident with the use of observational drawing skills and the techniques of various drawing materials, which may encompass printmaking processes. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Painting I (PIC, NC, MW, RHS)

Currently Available

This course covers fundamental painting skills, which can stand independently or be used as a foundation for other visual disciplines. Materials include acrylics, watercolors, and mixed media. Students will become confident with using fundamental painting skills and techniques of the classic painting mediums. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

This course covers the fundamental concepts, methods, and techniques used to create sculpture and pottery. These concepts will be learned and experienced as the students create original 3-dimensional works of art using clay and/or other materials. This is a Pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture II (Locations: PIC, KW, NC)

Currently Available

This course covers the in-depth concepts, methods, and techniques used to create sculpture and pottery. These concepts will be further explored as the students create original 3-dimensional works of art using clay and/or other materials. This is a pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Writing I

Currently Available

Creative Writing I is a semester-long course designed to offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and/or other forms of prose. The emphasis of the course is on writing; however, students will analyze their own writing, and the writing of others, both professional and student, to obtain a fuller appreciation of the form and craft. Students will be instructed in writing strategies and techniques; be provided time to write creatively; and be trained to respond constructively to their own writing and the works of their peers.

Content Area

English Language Arts (ELA)

Grade Level 11, 12

CTE Exploratory (Location: PIC)

Currently Available

The course is left generalized so that it can be adapted to fit a variety of CTE paths. The aim of this course is to provide students with the opportunity to explore potential CTE interests with the goal of potentially more students taking advanced CTE courses.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 1 Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 2 Culinary Arts Specialty

Currently Available

Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating cakes, global cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied and will also explore principles of food science and the history and culture of food.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 3 Restaurant Management (Location: PIC)

Currently Available

Students will complete the National Restaurant Association ProStart I Program, the first year of a two-year industry-driven, school-to-career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches entry level skills and knowledge needed for success in the industry. The comprehensive curriculum and food preparation experiences are the foundation of the program. Topics covered include customer relations, food preparation, accounting, cost control, sanitation and workplace safety. Students will build business and management skills that are transferable to other industries and may earn the ServSafe certification in food handling.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Culinary Arts 4 Culinary Practicum (Location: PIC)

Currently Available

Students in this class will be completing the 2nd year of the National Restaurant Association ProStart Program, a two year industry-driven, school- to- career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches advanced level skills and knowledge needed for success in the industry. Students may earn ServSafe certification as Food Safety Manager and ProStart Certificates of Achievement.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Culinary Arts Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Basics (Location: PIC)

Currently Available

This HOW TO class will provide students with basic preparation skills and knowledge needed to prepare a variety of dishes in a lab setting. The course will cover safety and sanitation, kitchen terms, abbreviations, tools/equipment, and preparation techniques. Students will explore nutritional basics and how it applies to them personally.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Diesel Mechanics Comprehensive (Locations: PIC, RHS)

Currently Available

This advance course prepares students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air-conditioning, charging systems, reading and interpreting service manuals and identifying the principles and components of fuel injection systems. The Course also covers safety. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests on Heating and Air conditioning (HVAC) that is used in industry. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Drivers Education (Location: PIC)

Currently Available

Drivers Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

Content Area

Other (OT)

Grade Level 10, 11, 12

Early Childhood Education I (Location: PIC)

Currently Available

This course prepares students for occupations in child related careers and roles. Instruction is given in child growth and development; child care programs, management, and policies; health and safety concerns; developmentally appropriate learning activities; and writing, preparing, and teaching workable lesson plans in the high school's on-site child care training center

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Early Childhood Education II (Location: PIC)

Currently Available

This course is designed to give students the opportunity to complete the required experience hours and portfolio for the CDA certification in Early Childhood Education. This course will partner with our certified preschools to get the high school students their 480 hours experience and review their 10 core concept areas to pass their certification test at the end of the course for certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Employability Skills B

Currently Available

This pull-out class introduces students to career exploration activities and daily living. Students will participate in self-assessment, practice, and classroom simulations as well as some community exploration activities to help them identify future career and personal goals. Students in this course will work under the Career and Technical Education Standards but will not meet proficiency criteria for the CTE content area.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

English/Lang Arts I

Currently Available

English/Language Arts I courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the conventions of writing and include the five aspects of language arts: reading, writing, language, speaking, and listening. These courses introduce and define various genres of literature and informational texts, with writing exercises often linked to reading selections.

Content Area

English Language Arts (ELA)

Grade Level 9

English/Lang Arts I B

Currently Available

This course is chosen for a student by an IEP Team. It focuses on the individual student's needs for building their reading and/or writing skills. The course fulfills an English credit requirement for a high school diploma by earning a passing grade.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

English/Lang Arts II

Currently Available

English/Language Arts II courses build on knowledge from Language Arts I in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of world literature and informative texts - including seminal United States documents - students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 10

English/Lang Arts III (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts III courses build on knowledge from Language Arts II in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of American literature and informative texts - including foundational United States documents - students will read and comprehend proficiently. This course is aligned to the common core state standards and is preparatory for the ACT.

Content Area

English Language Arts (ELA)

Grade Level 11

English/Lang Arts IV (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts IV courses build on knowledge from Language Arts III in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of literature (including one Shakespearean play) and informative texts, students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 12

Environmental Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

An introductory Environmental Course offering how humans interact with their environment. Concepts will include ecological interactions, biomes, human population and its effect on the environment, energy resources and analyzing specific ecological problems

Content Area

Science (SC)

Grade Level 11, 12

Film and Television 1 (Locations: PIC, KW, NC)

Currently Available

With an emphasis on narrative form, the course covers basic technical and aesthetic foundation in filmmaking. Students learn to develop craft as well as personal voice through projects that involve writing treatments and screenplays; developing storyboards; producing; lighting; directing; working with actors and crew; sound design; and editing. For the final project, each group produces a short film for entry into the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 2 (Locations: PIC, KW)

Currently Available

This practical hands on course aims to help students refine their aesthetic sensibilities and sense of personal vision as directors through projects that involve screenwriting, storyboards, shooting in a variety of visual styles, producing, directing action, working with actors, and editing. They expand a sense of aesthetic possibilities by the work they do in Film/TV #1 and extend their editing sense through the work they have done

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 3 (Location: PIC)

Currently Available

This project oriented course introduces filmmakers to live television production and post production techniques. Students create short films and videos that are theme based, experiment with non narrative structure, and clearly communicate the filmmaker's intent to the target audience. Students express a chosen theme through several different genres and become conversant with the principles of portable digital video acquisition and nonlinear editing. These students are also responsible for producing the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy

Currently Available

The Financial Literacy course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy - Social Studies (Locations: PIC, KW, NC, MW, RHS)

Currently Available

The Financial Literacy Social Studies course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Social Studies (SS)

Grade Level 11, 12

Forensic Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Forensics science courses introduce students to crime scene investigations and the techniques used to solve crimes. The courses uses all fields of science as they apply to certain situations

Content Area

Science (SC)

Grade Level 11, 12

Foundation Math

Currently Available

This Foundation Math course is designed to provide the conceptual understanding and skills necessary to be successful in additional math classes.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Freshman Physical Education

Currently Available

Freshman Physical Education courses emphasize acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may also develop and implement a personal fitness plan. This course also provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: aquatics, team sports, individual/ dual sports, and fitness/conditioning activities. It meets the NCSD #1 Physical Education and Health Standards

Content Area

Physical Education/Health (PE)

Grade Level 9

Geometry

Currently Available

Geometry courses emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

In Geometry, instructional time should focus on nine critical areas: (1) geometric terminology, (2) congruence, (3) polygons, (4) similarity, (5) trigonometry, (6) transformations, (7) circles, (8) geometric modeling/ solids, and (9) probability.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Horticulture (Location: PIC)

Currently Available

This course challenges students to become experts in the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design. This course is available to all high school students and is located at the PATHWAYS building.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Industry Cert Training (Heavy Equipment Operators) (Location: PIC, MW, RHS)

Currently Available

In a 120 hour class students meet at the center and work on the skills and experience needed to start your career in the Construction Industry. While in training, students have been exposed to practical working conditions likely to be experienced on the job. Students are learning and will be certified to operate a backhoe and front-end loader from the National Center for Construction Education and Research. As they work toward their certification, students are also earning an elective credit through the school district.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Internship Credit

Currently Available

The Independent Study in Early Childhood Education is intended to provide students with authentic work experience in a variety of early childhood settings. This experience allows them to have firsthand knowledge of what it means to care for young children and provide RHS students with exposure to all types of programs for children from infancy through Pre-K.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Introductory Business

Currently Available

Introductory Business surveys an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization.

Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Language Arts Laboratory I B

Currently Available

This pull-out class provides group and individual instruction in academic areas of reading and language, through functional, independent living skills and a modified curriculum. Students working in this class are working toward individualized IEP goals and are working on alternate assessments.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Misc Workplace Exp B

Currently Available

This pull-out class is a community based work experience course providing students the opportunity to develop those skills needed to obtain and maintain employment. Students will attend a job daily to practice employment skills and develop occupational skills that may lead to employment. Job coaching and transportation support are provided as needed. Students will work under the CTE standards but will not meet proficiency criteria for the CTE content area.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Miscellaneous-Aide

Currently Available

This course allows students the opportunity to help in the school office, library or for teachers. Duties are nonconfidential simple tasks such as running passes, alphabetizing, sorting mail, organizing classrooms, reshelving books, etc. (Up to half the credit of a regular class can be earned.)

Content Area

Other (OT)

Grade Level 10, 11, 12

Modern US History

Currently Available

Students will examine the continuing evolution of the United States democracy with an analysis of the U.S. Constitution and the unique characteristics of the Wyoming Constitution. Students will examine domestic and foreign conflicts along with the policies that made the United States a superpower following World War II. Students will then analyze and evaluate the implications of the global dominance of the United States.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Nursing I (Location: PIC)

Currently Available

Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Nursing II (Location: PIC)

Currently Available

Nursing II courses continue to place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Part Topics-US Government

Currently Available

This course can be taken to replace 9th grade level requirements or for students who wish to focus on the political science and economic aspects of our society. Students in this course will study federal, state and local government.

Content Area

Social Studies (SS)

Grade Level 9, 10, 11, 12

Photography I (Locations: PIC, KW, NC)

Currently Available

This course covers fundamental camera operations and techniques, paired with a foundational understanding of composition. Students will explore how photography can be used as a creative tool to make photos that communicate ideas, themes, and/or concepts with the viewer. Students will learn industry-standard software, which includes but is not limited to Adobe Photoshop and Lightroom, to edit and manage their photos. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Physical Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as the motion of large objects, momentum, energy, the Big Bang Theory, atomic structure, and interactions of non-contact forces.

Content Area

Science (SC)

Grade Level 9

Physical Science A (Locations: PIC, KW, NC)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as, motion of large objects, momentum, energy, the Big Bang Theory, atomic structure and interactions of non-contact forces at the advanced level.

Content Area

Science (SC)

Grade Level 9

Pre Algebra

Currently Available

Pre-Algebra will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures.

Content Area

Mathematics (MA)

Grade Level 9

Pre-AP Chinese Lang & Culture (Locations: PIC)

Currently Available

Pre-AP Chinese Language and Culture course prepares students to be successful in AP Chinese Language and Culture building upon prior knowledge and developing students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. This course also helps students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts. Students will demonstrate full command of the target language at the Intermediate Low level with scaffolded exposure and practice within the Intermediate Mid level texts and tasks, Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks, and Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

PreCalculus H

Currently Available

Pre-Calculus Honors is a course that includes the necessary advanced algebraic and trigonometric skills to be successful in Calculus AP or IB Math. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; the polar coordinate system; vectors; sequences and series.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Principles of Algebra & Geom

Currently Available

Principles of Algebra and Geometry courses combine the study of some pre-algebra and algebra topics with introductory geometry topics. These courses include the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.

Content Area

Mathematics (MA)

Grade Level 11, 12

Pt Topics in Found Math I B

Currently Available

This course is chosen for a student by an IEP Team. It focuses on the individual student's needs for building their math calculation skills. The course fulfills a Math credit requirement for a high school diploma by earning a passing grade.

Content Area

Mathematics (MA)

Grade Level 9

Publication Production

Currently Available

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper and yearbook. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. Students will also be expected to sell ads for both the newspaper and the yearbook. The selling of ads teaches students real-world skills of face to face interaction in a business setting and is needed to produce student publications.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Social Develop Instruction B

Currently Available

Social Development Instruction courses teach students the social skills needed for independent functioning within the community

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Sociology

Currently Available

This course provides the student an opportunity to learn and investigate how the social situation and social world significantly influences human behavior. Students will gain a basic level of understanding about social groups and group behaviors - An introduction to the ways in which sociologists research, describe, explain, and predict social behaviors and events. Students will be engaged through a wide variety of classroom activities, which allow for thoughtful study and discussion of social behaviors in the past, present & future.

Content Area

Social Studies (SS)

Grade Level 10, 11, 12

Statistics (Locations: PIC, KW)

Currently Available

Statistics is a course recommended for students who want to explore introductory statistics using hands-on labs and technology simulations. It could be a precursor to a college level introductory course but is relevant for any post high school path. Topics will include one variable data analysis, normal distribution, data collection, confidence intervals and significance tests.

Content Area

Mathematics (MA)

Grade Level 12

Study Skills I B

Currently Available

In this strategies-based course, students will learn and apply strategies that will enhance comprehension of core content, to include but not be limited to, the use of universal design, use of technology, use of graphic organizers, research-based comprehension and problem solving strategies. Minimal support and time will be available for homework completion.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Tutorial

Currently Available

This is a class that helps ELL students apply English speaking skills across all content areas

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Tutoring Practicum I

Currently Available

Tutoring Practicum courses provide students with the opportunity to offer tutorial assistance to their peers or to younger students. After an initial training period during which students learn how to work with other students and how to make use of the available resources (e.g., staff, written material, audiovisual aids, and so on), students engage in tutoring and assisting others who need or request help.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

Upholstery (Location: PIC)

Currently Available

Upholstery is an advance course that will teach students the high-need, high-wage skills of automotive and furniture upholstery. Students will be completing hands-on projects to learn the skills necessary for introduction to these skills. Students will demonstrate basic stitching, measuring, pattern drafting, and embroidery to meet basic industry standards

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

US History - Comprehensive

Currently Available

Students will analyze the birth of the modern United States by evaluating and synthesizing the causes and effects of major eras from westward growth through World War II and the origins of the Cold War.

Content Area

Social Studies (SS)

Grade Level 9

Veterinary Science I (Location: PIC)

Currently Available

Veterinary Science students will investigate the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic companion and farm animals. Course topics include anatomy and physiology, nutrition, feeds and feeding, behavior and training, disease prevention, reproduction and genetics, ethics of animal care and animal husbandry, fitting and showing, maintaining equipment and facilities, and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science II (Location: PIC)

Currently Available

Veterinary Science II students will build upon the introductory skills learned in Veterinary Science I. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research and diagnosis, to the development of treatment plans and follow-up, and finally preparing patient billing and client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, veterinary skills, veterinary careers and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science III (Location: PIC)

Currently Available

Veterinary Science III students will build upon the introductory skills learned in Veterinary Science I & II. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment

Content Area

Career & Technical Education (CTE)

Grade Level 12

Veterinary Science IV (Location: PIC)

Currently Available

Veterinary Science IV students will further build upon the introductory skills learned in Veterinary Science I, II & III. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment. In addition, students will be creating a comprehensive health plan for an animal based entity and develop a career portfolio

Content Area

Career & Technical Education (CTE)

Grade Level 12

Weight Train & Conditioning

Currently Available

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This course meets the NCSD #1 Physical Education Standard.

Content Area

Physical Education/Health (PE)

Grade Level 9, 10, 11, 12

Welding & Manufacturing IV (Locations: PIC, MW)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Welding II FCAW, GTAW (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Flux Cored Arc Welding and Gas Tungsten Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment such as the CNC Plasma torch. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC, MW)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC)

Currently Available

An advance course where students that have previously enrolled and successfully completed Welding Tech I and are enrolled in Welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding III Manu & Fabrication (Locations: PIC, MW, RHS)

Currently Available

Students will demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding Technology I

Currently Available

Welding Tech I starts the course sequence for students interested in the welding and manufacturing pathway. Students will be introduced to the OAW, GMAW, and SMAW processes, along with a variety of cutting processes. Welded joints in the flat and position are performed in the above-mentioned processes as well as visual and guided bend tests that will evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment. This course prepares students for advanced-level welding courses and the opportunity to earn competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking II (Locations: PIC, MW)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Woodworking (Locations: PIC, KW, NC)

Currently Available

Advance Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Work Experience

Currently Available

Students already employed or who expect to be employed during the semester can sign up for the Work Experience Program and earn elective credit. Credit is awarded based on hours worked. Students must work 60 hours to earn .5 credit and 120 hours to earn 1 full credit. Students are also required to be enrolled in the Seminar on Work class and maintain a passing grade. The Work Experience Program provides a realistic perspective of appropriate work habits and attitudes, helps determine suitability for occupations, and enables students to have a clearer and more specific idea about careers. This is a repeatable course.

Content Area

Other (OT)

Grade Level 9, 10, 11, 12

World History-Overview (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking.

Content Area

Social Studies (SS)

Grade Level 11, 12

Virtual Learning Courses

Virtual Learning Courses

9th Grade PE Sem 1

Currently Available

In this course, the student will study physical fitness and a variety of health-related topics. The student will gain an understanding of the proper ways to exercise and diet, and will learn how to assess his own fitness level. The student will learn what fitness can do and how to attain the highest possible fitness level.

Content Area

Physical Education/Health (PE)

Grade Level 9

9th Grade PE Sem 2

Currently Available

In this course, the student will study physical fitness and a variety of health-related topics. The student will gain an understanding of the proper ways to exercise and diet, and will learn how to assess his own fitness level. The student will learn what fitness can do and how to attain the highest possible fitness level.

Content Area

Physical Education/Health (PE)

Grade Level 9

10th Grade PE Sem 1

Currently Available

This course uses previously acquired skills in a wide range of elective activities. The course places priority on self-motivated physical activities that the student can participate in now and later in life, and incorporates skill competencies, written assignments, and class evaluations into some of the units. The student will be expected to show proficiency in the activities that are important for his personal development at the appropriate age. The student's physical fitness level will be assessed and recorded. As an online learner, the student will utilize relevant Web sites and streaming videos provided in the lessons.

Content Area

Physical Education/Health (PE)

Grade Level 10

10th Grade PE Sem 2

Currently Available

This course uses previously acquired skills in a wide range of elective activities. The course places priority on self-motivated physical activities that the student can participate in now and later in life, and incorporates skill competencies, written assignments, and class evaluations into some of the units. The student will be expected to show proficiency in the activities that are important for his personal development at the appropriate age. The student's physical fitness level will be assessed and recorded. As an online learner, the student will utilize relevant Web sites and streaming videos provided in the lessons.

Content Area

Physical Education/Health (PE)

Grade Level 10

Algebra I Sem 1

Currently Available

This course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Algebra I Sem 2

Currently Available

This course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Algebra II Sem 1

Currently Available

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

Content Area

Mathematics (MA)

Grade Level 11, 12

Algebra II Sem 2

Currently Available

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

Content Area

Mathematics (MA)

Grade Level 11, 12

American Government Sem 1

Currently Available

In this course, students explore the foundations of American government and its fundamental principles and organization. The student examines government concepts such as the growth of democracy, federalism, separation of powers, and checks and balances. The branches of government--legislative, executive, and judicial--are studied in depth. This course promotes understanding and participation in government by presenting information in a context that is relevant to the student. Additional activities in this course are designed to develop the student's abilities to question, read, analyze, interpret, and evaluate different forms of information, as well as to communicate ideas to others.

Content Area

Social Studies (SS)

Grade Level 9, 10, 11, 12

American Government Sem 2

Currently Available

In this course, student explore the foundations of American government and its fundamental principles and organization. The student examine government concepts such as the growth of democracy, federalism, separation of powers, and checks and balances. The branches of government--legislative, executive, and judicial--are studied in depth. This course promotes understanding and participation in government by presenting information in a context that is relevant to the student. Additional activities in this course are designed to develop the student's abilities to question, read, analyze, interpret, and evaluate different forms of information, as well as to communicate ideas to others.

Content Area

Social Studies (SS)

Grade Level 9, 10, 11, 12

Biology Sem 1

Currently Available

This course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab option.

Content Area

Science (SC)

Grade Level 10, 11, 12

Biology Sem 2

Currently Available

This course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab option.

Content Area

Science (SC)

Grade Level 10, 11, 12

Chemistry Sem 1

Currently Available

This course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Content Area

Science (SC)

Grade Level 10, 11, 12

Chemistry Sem 2

Currently Available

This course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Content Area

Science (SC)

Grade Level 10, 11, 12

Coding Sem 1

Currently Available

Have you ever wanted to create your own web page or wondered how your favorite websites were built? Explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. Discover how to create and build your own website using HTML and CSS, and learn the basics of JavaScript and Python Programming.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Coding Sem 2

Currently Available

Have you ever wanted to create your own web page or wondered how your favorite websites were built? Explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. Discover how to create and build your own website using HTML and CSS, and learn the basics of JavaScript and Python Programming.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)
Grade Level 9, 10, 11, 12

Consumer Math Sem 1

Currently Available

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics

Content Area

Mathematics (MA)
Grade Level 9, 10, 11, 12

Consumer Math Sem 2

Currently Available

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics

Content Area

Mathematics (MA)
Grade Level 9, 10, 11, 12

Cyber Security Sem 1

Currently Available

We depend more on the technologies we interact with every day; and we put more and more of our personal data out there online. Can all of that data really be kept "secret"? Learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. Dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)
Grade Level 9, 10, 11, 12

Cyber Security Sem 2

Currently Available

We depend more on the technologies we interact with every day; and we put more and more of our personal data out there online. Can all of that data really be kept "secret"? Learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. Dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)
Grade Level 9, 10, 11, 12

Drivers Education

Currently Available

Drivers Education's Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

Content Area

Other (OT)
Grade Level 10, 11, 12

English I Sem 1

Currently Available

The English I course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies.

Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's *The Odyssey*, Shakespeare's *Romeo and Juliet*, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan.

Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

English I Sem 2

Currently Available

The English I course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies.

Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's *The Odyssey*, Shakespeare's *Romeo and Juliet*, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan.

Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

English II Sem 1

Currently Available

Focused on application, this English II course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

English II Sem 2

Currently Available

Focused on application, this English II course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

English III Sem 1

Currently Available

This English III course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

English III Sem 2

Currently Available

This English III course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

English IV Sem 1

Currently Available

This English IV course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

Content Area

English Language Arts (ELA)

Grade Level 11, 12

English IV Sem 2

Currently Available

This English IV course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

Content Area

English Language Arts (ELA)

Grade Level 11, 12

Environmental Science Sem 1

Currently Available

Environmental science is a captivating and rapidly expanding field, and this course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments.

Content Area

Science (SC)

Grade Level 10, 11, 12

Environmental Science Sem 2

Currently Available

Environmental science is a captivating and rapidly expanding field, and this course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments.

Content Area

Science (SC)

Grade Level 10, 11, 12

Financial Literacy & Civic Responsibility S1

Currently Available

The Financial Literacy course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Financial Literacy & Civic Responsibility S2

Currently Available

The Financial Literacy course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

French I Sem 1

Currently Available

Students begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

French I Sem 2

Currently Available

Students begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

French II Sem 1

Currently Available

Students continue their second year of French with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French Speaking areas across the globe, and assessments.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

French II Sem 2

Currently Available

Students continue their second year of French with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French Speaking areas across the globe, and assessments.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Geometry Sem 1

Currently Available

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Geometry Sem 2

Currently Available

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

Content Area

Mathematics (MA)

Grade Level 10, 11, 12

Intro Ag Food & Natural Res S1

Currently Available

This course introduces students to the basic scientific principles of agriculture and natural resources. Students recognize and research plant systems, animal systems, government policy, “green” technologies, agribusiness principles, and sustainability systems. In this course, students apply understanding of ecosystems and systems thinking to the management of natural resources to maximize the health and productivity of the environment, agriculture, and communities. Students also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. Finally, students apply adaptive ecosystem management to a common pool resource problem in a manner that addresses ecological, socioeconomic, and institutional contexts.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Intro Ag Food & Natural Res S2

Currently Available

This course introduces students to the basic scientific principles of agriculture and natural resources. Students recognize and research plant systems, animal systems, government policy, “green” technologies, agribusiness principles, and sustainability systems. In this course, students apply understanding of ecosystems and systems thinking to the management of natural resources to maximize the health and productivity of the environment, agriculture, and communities. Students also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. Finally, students apply adaptive ecosystem management to a common pool resource problem in a manner that addresses ecological, socioeconomic, and institutional contexts.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Introduction to Graphic Design Sem 1

Currently Available

Can people communicate without using words? Do different colors invoke different emotions? Can artists use various textures to communicate a range of ideas? Absolutely! Designed to develop an understanding and appreciation for design, the Introduction to Graphic Design A course teaches the student to interpret visual representations and to communicate his or her own ideas and information graphically. By raising the student's awareness of design, this intermediate-level course establishes a strong foundation in the basic principles of graphic design. This course, the first in a two-semester series, introduces the student to scenarios that can be solved by applying creative techniques that yield innovative and effective design solutions. Though the course is structured around computer-assisted graphic design, the student will examine other types of design as well. The student will also learn to use Inkscape, an image-editing program that is provided, and will create several design compositions using this program.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Introduction to Graphic Design Sem 2

Currently Available

Can people communicate without using words? Do different colors invoke different emotions? Can artists use various textures to communicate a range of ideas? Absolutely! Designed to develop an understanding and appreciation for design, the Introduction to Graphic Design A course teaches the student to interpret visual representations and to communicate his or her own ideas and information graphically. By raising the student's awareness of design, this intermediate-level course establishes a strong foundation in the basic principles of graphic design. This course, the first in a two-semester series, introduces the student to scenarios that can be solved by applying creative techniques that yield innovative and effective design solutions. Though the course is structured around computer-assisted graphic design, the student will examine other types of design as well. The student will also learn to use Inkscape, an image-editing program that is provided, and will create several design compositions using this program.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Journalism Sem 1

Currently Available

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. Media literacy is also covered to make students more responsible consumers of information

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Journalism Sem 2

Currently Available

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. Media literacy is also covered to make students more responsible consumers of information

Content Area

English Language Arts (ELA)

Grade Level 9, 10, 11, 12

Physical Science Sem 1

Currently Available

This full-year course focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses. Hands-on wet lab options are also available.

Content Area

Science (SC)

Grade Level 9, 10, 11, 12

Physical Science Sem 2

Currently Available

This full-year course focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses. Hands-on wet lab options are also available.

Content Area

Science (SC)

Grade Level 9, 10, 11, 12

Pre-Calculus Sem 1

Currently Available

With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Pre-Calculus Sem 2

Currently Available

With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.

Content Area

Mathematics (MA)

Grade Level 9, 10, 11, 12

Principles of Business Sem 1

Currently Available

In this introductory course, students learn the principles of business using real-world examples—learning what it takes to plan and launch a product or service in today's fast paced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Principles of Business Sem 2

Currently Available

In this introductory course, students learn the principles of business using real-world examples—learning what it takes to plan and launch a product or service in today's fast paced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Psychology Sem 1

Currently Available

This course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.

Content Area

Social Studies (SS)

Grade Level 11, 12

Psychology Sem 2

Currently Available

This course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.

Content Area

Social Studies (SS)

Grade Level 11, 12

Spanish I Sem 1

Currently Available

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish I Sem 2

Currently Available

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish II Sem 1

Currently Available

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Spanish II Sem 2

Currently Available

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

US History Sem 1

Currently Available

This course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the Era of Exploration through modern times. As students examine each era of history, they will analyze primary sources and carefully research events to gain a clearer understanding of the factors that have shaped U.S. history. In early units, students will assess the foundations of U.S. democracy while examining crucial documents. In later units, students will examine the effects of territorial expansion, the Civil War, and the rise of industrialization. They will also assess the outcomes of economic trends and the connections between culture and government. As the course draws to a close, students will focus their studies on the causes of cultural and political change in the modern age. Throughout the course, students will learn the importance of cultural diversity while examining history from different perspectives.

Content Area

Social Studies (SS)

Grade Level 9, 10, 11, 12

US History Sem 2

Currently Available

This course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the Era of Exploration through modern times. As students examine each era of history, they will analyze primary sources and carefully research events to gain a clearer understanding of the factors that have shaped U.S. history. In early units, students will assess the foundations of U.S. democracy while examining crucial documents. In later units, students will examine the effects of territorial expansion, the Civil War, and the rise of industrialization. They will also assess the outcomes of economic trends and the connections between culture and government. As the course draws to a close, students will focus their studies on the causes of cultural and political change in the modern age. Throughout the course, students will learn the importance of cultural diversity while examining history from different perspectives.

Content Area

Social Studies (SS)

Grade Level 9, 10, 11, 12

World History Sem 1

Currently Available

This is the first of two courses that comprise World History. Pearson's World History provides the basis for instruction. This course provides the student with a comprehensive examination of world history from ancient times through the Global Age. The student will begin by exploring prehistory and early civilizations, focusing on the ancient civilizations of the Americas, Egypt, India, China, Greece, and Rome. The student will then study Medieval Christian Europe from the early to the late Middle Ages, followed by regional civilizations with a focus on the Muslim world, Africa, and Asia. Finally, the student will explore early modern times with a focus on the Renaissance, Reformation, and the Global Age.

Content Area

Social Studies (SS)

Grade Level 9, 10, 11, 12

World History Sem 2

Currently Available

This is the first of two courses that comprise World History. Pearson's World History provides the basis for instruction. This course provides the student with a comprehensive examination of world history from ancient times through the Global Age. The student will begin by exploring prehistory and early civilizations, focusing on the ancient civilizations of the Americas, Egypt, India, China, Greece, and Rome. The student will then study Medieval Christian Europe from the early to the late Middle Ages, followed by regional civilizations with a focus on the Muslim world, Africa, and Asia. Finally, the student will explore early modern times with a focus on the Renaissance, Reformation, and the Global Age.

Content Area

Social Studies (SS)

Grade Level 9, 10, 11, 12

PIC Courses

PIC Courses

Agribusiness Management (Locations: PIC, NC, KW)

Currently Available

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

Content Area

Career & Technical Education (CTE)

Grade Level 12

Anatomy & Physiology (Locations: PIC, KW, MW, RHS)

Currently Available

Anatomy and Physiology is offered to students to understand the structure of the human body and its functions. Students learn anatomical terminology, cells, tissues, organs and functional systems.

Content Area

Science (SC)

Grade Level 11, 12

Animal Production/Science (Location: PIC)

Currently Available

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

AP Chinese Language & Culture. (Location: PIC)

Currently Available

Designed by the College Board to parallel Fourth semester college-level courses in Mandarin Chinese language, AP Chinese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Apparel & Textiles Services (Location: PIC)

Currently Available

This course expands upon various services that concern the care and maintenance of apparel, textiles, and home accessories. Course topics may include upholstery, dry cleaning, commercial sewing, production of fabrics and/or garments, theatrical costume design, and tailoring.

This course is equivalent to Sewing III.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Apparel Construction (Location: PIC)

Currently Available

This course provides students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, costume design, and business management. **This course is equivalent to Sewing II.**

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Art Exploratory (Location: PIC)

Currently Available

The students are introduced to three visual art media. This course is intended to introduce students to beginning visual art concepts. The aim of this course is to provide students with the opportunity to explore the visual arts with the goal of potentially more students taking advanced visual art courses.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Astronomy A (Location: PIC)

Currently Available

Astronomy Advance courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomical instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

Content Area

Science (SC)

Grade Level 9, 10, 11, 12

Auto Brakes and Suspension (Locations: PIC, RHS)

Currently Available

This advance course will focus on the various types of brake. It will consist of rigorous instruction and student involvement in many various forms. Students will work with cutting edge training aides and will perform actual work in the lab. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Drivetrain and Axles. (Locations: PIC)

Currently Available

Auto Drivetrain and Axles students will learn about vehicle drivetrains which include transmissions and transfer cases, axles, CV and U-joints, Drivelines and transaxles. Students will be involved in various learning activities ranging from state of the art teaching and lab aides to classroom instruction. Lab work will be rigorous and real. All activities will be ASE aligned. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Auto Electricity and Electronics/Engine Performance (Locations: PIC, RHS)

Currently Available

Auto Electricity and Electronics/ Engine Performance is an advanced course that will focus on the ASE areas of Electricity and Electronics and Engine Performance. Students will learn about reviewing basic electricity from Auto I and then move on to Advanced Electricity/ Electronics. Learning will happen on state of the art trainers and through lab instruction. Classroom instruction will be industry based and aligned with ASE tests and Standards. Engine performance will focus on driveability concerns with emphasis on OBD II computer systems and diagnosis. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Cabinetmaking I (Locations: PIC, KW)

Currently Available

Cabinet Making courses provide students with an advanced-level experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Chemistry (Locations: PIC, KW, NC, MW)

Currently Available

Chemistry courses involve studying the composition, properties, and reactions of substances, chemical formulas, equations and nuclear reactions are also studied.

Content Area

Science (SC)

Grade Level 10, 11, 12

Clothing and Textiles (Locations: PIC, NC)

Currently Available

This course introduces students to various aspects of apparel and home furnishings construction, and the textile industry, conveys the application of design principles, production processes, and maintenance techniques. This course addresses the selection, characteristics, care, and repair of various textiles; operation and care of sewing machines; design, construction, and career opportunities in the garment or textile industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Com Asst Art Animation Motion (Locations: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-assisted art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to solve problems, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 11, 12

Comp Assist Art/Graph Des II (Location: PIC)

Currently Available

Computer-Assisted Art courses enable students to discover and explore how the computer can be used as a tool to communicate visually. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design and photo manipulation while learning creative problem solving skills. Industry-standard software will be implemented such as Adobe Photoshop and Illustrator along with other industry standard software. Students will work towards producing a final marketable portfolio that demonstrates a mastery of technical skills, and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve and multi-task projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 10, 11, 12

Comp Assist Art/Graph Design (Location: PIC)

Currently Available

This course enables students to discover and explore how the computer can be used as a tool to communicate visually through the arts. Computer-Assisted Art courses provide the opportunity to become skilled at illustration, digital painting, graphic design, and photo manipulation while learning creative problem-solving skills. Industry-standard software, such as the Adobe Production Suite, will be implemented. Students will work towards producing a final marketable portfolio demonstrating mastery of technical skills and the ability to concisely communicate original concepts. Students will critically examine artists/designers through their cultural and historical context while making informed connections to their art-making process. This is a hands-on, project-oriented class where students learn to problem solve, multi-task projects, and develop their own projects.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Computer Integrated Manufacturing (Location: PIC)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Computer Programming I (Locations: PIC, KW, NC)

Currently Available

Computer programming provides an opportunity for students to gain expertise in computer science. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. This course includes topics such as Boolean logic, selection, iteration, array use and procedures

Content Area

Mathematics (MA) Science (SC) Computer Science (CS)

Grade Level 9, 10, 11, 12

Construction I (Locations: PIC, RHS)

Currently Available

Advanced Construction courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, and site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation, siding, and painting. Students will receive the OSHA 10 Hour Training Course

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Construction II (Locations: PIC, RHS)

Currently Available

Advanced Construction II courses provide students with knowledge and skills required for construction of commercial and residential structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as safety, concrete work, framing, roofing, flooring, drywall, concrete, carpentry and so on. Students engage in activities such as reading blueprints, scheduling, estimating, permitting. Students may qualify for the OSHA 30 Hour Training Course.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Creative Art - Painting I (PIC, NC, MW, RHS)

Currently Available

This course covers fundamental painting skills, which can stand independently or be used as a foundation for other visual disciplines. Materials include acrylics, watercolors, and mixed media. Students will become confident with using fundamental painting skills and techniques of the classic painting mediums. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

This course covers the fundamental concepts, methods, and techniques used to create sculpture and pottery. These concepts will be learned and experienced as the students create original 3-dimensional works of art using clay and/or other materials. This is a Pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Creative Art - Sculpture II (Locations: PIC, KW, NC)

Currently Available

This course covers the in-depth concepts, methods, and techniques used to create sculpture and pottery. These concepts will be further explored as the students create original 3-dimensional works of art using clay and/or other materials. This is a pre-IB course for NC students.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

CTE Exploratory (Location: PIC)

Currently Available

The course is left generalized so that it can be adapted to fit a variety of CTE paths. The aim of this course is to provide students with the opportunity to explore potential CTE interests with the goal of potentially more students taking advanced CTE courses.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 1 Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Arts 2 Hospitality Management & Food Service (Locations: PIC, NC)

Currently Available

Food Service courses provide foundational instruction and hands-on experience in the preparation and service of food to groups and for retail sale. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the foodservice industry. Students in this class will operate all aspects of a professional catering business.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Culinary Arts 3 Restaurant Management (Location: PIC)

Currently Available

Students will complete the National Restaurant Association ProStart I Program, the first year of a two-year industry-driven, school-to-career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches entry level skills and knowledge needed for success in the industry. The comprehensive curriculum and food preparation experiences are the foundation of the program. Topics covered include customer relations, food preparation, accounting, cost control, sanitation and workplace safety. Students will build business and management skills that are transferable to other industries and may earn the ServSafe certification in food handling.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Culinary Arts 4 Culinary Practicum (Location: PIC)

Currently Available

Students in this class will be completing the 2nd year of the National Restaurant Association ProStart Program, a two-year industry-driven, school-to-career program that introduces high school students to careers in culinary arts, hospitality and management, and nutrition/dietetics. The course teaches advanced level skills and knowledge needed for success in the industry. Students may earn ServSafe certification as Food Safety Manager and ProStart Certificates of Achievement.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Culinary Arts Food & Nutrition (Locations: PIC, KW, NC, RHS)

Currently Available

Students in Food and Nutrition will demonstrate food's role in society, plan and prepare meals, and apply proper use of equipment and utensils using proper safety and sanitation techniques. Students will compare and contrast the nutritional needs and requirements for healthy living. Students will explore career opportunities in the food industry.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Culinary Basics (Location: PIC)

Currently Available

This HOW TO class will provide students with basic preparation skills and knowledge needed to prepare a variety of dishes in a lab setting. The course will cover safety and sanitation, kitchen terms, abbreviations, tools/equipment, and preparation techniques. Students will explore nutritional basics and how it applies to them personally.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Diesel Mechanics Comprehensive (Locations: PIC, RHS)

Currently Available

This advance course prepares students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing air-conditioning, charging systems, reading and interpreting service manuals and identifying the principles and components of fuel injection systems. The Course also covers safety. Students will be trained using texts and equipment that prepare them to take the ASE Entry Level certification tests on Heating and Air conditioning (HVAC) that is used in industry. This course will culminate in the possibility for students to have an industry recognized certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Drivers Education (Location: PIC)

Currently Available

Drivers Education—Classroom and Laboratory courses provide students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

Content Area

Other (OT)

Grade Level 10, 11, 12

Early Childhood Education I (Location: PIC)

Currently Available

This course prepares students for occupations in child related careers and roles. Instruction is given in child growth and development; child care programs, management, and policies; health and safety concerns; developmentally appropriate learning activities; and writing, preparing, and teaching workable lesson plans in the high school's on-site child care training center

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Early Childhood Education II (Location: PIC)

Currently Available

This course is designed to give students the opportunity to complete the required experience hours and portfolio for the CDA certification in Early Childhood Education. This course will partner with our certified preschools to get the high school students their 480 hours experience and review their 10 core concept areas to pass their certification test at the end of the course for certification.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

English/Lang Arts III (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts III courses build on knowledge from Language Arts II in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of American literature and informative texts - including foundational United States documents - students will read and comprehend proficiently. This course is aligned to the common core state standards and is preparatory for the ACT.

Content Area

English Language Arts (ELA)

Grade Level 11

English/Lang Arts IV (Locations: PIC, KW, NC, MW, RHS)

Currently Available

English/Language Arts IV courses build on knowledge from Language Arts III in the areas of grammar, vocabulary, word usage, and the conventions of writing. These courses offer a balanced focus on reading, writing, language, speaking, and listening. Through the study of various genres of literature (including one Shakespearean play) and informative texts, students will read and comprehend independently and proficiently.

Content Area

English Language Arts (ELA)

Grade Level 12

Environmental Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

An introductory Environmental Course offering how humans interact with their environment. Concepts will include ecological interactions, biomes, human population and its effect on the environment, energy resources and analyzing specific ecological problems

Content Area

Science (SC)

Grade Level 11, 12

Film and Television 1 (Locations: PIC, KW, NC)

Currently Available

With an emphasis on narrative form, the course covers basic technical and aesthetic foundation in filmmaking. Students learn to develop craft as well as personal voice through projects that involve writing treatments and screenplays; developing storyboards; producing; lighting; directing; working with actors and crew; sound design; and editing. For the final project, each group produces a short film for entry into the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 2 (Locations: PIC, KW)

Currently Available

This practical hands on course aims to help students refine their aesthetic sensibilities and sense of personal vision as directors through projects that involve screenwriting, storyboards, shooting in a variety of visual styles, producing, directing action, working with actors, and editing. They expand a sense of aesthetic possibilities by the work they do in Film/TV #1 and extend their editing sense through the work they have done

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Film and Television 3 (Location: PIC)

Currently Available

This project oriented course introduces filmmakers to live television production and post production techniques. Students create short films and videos that are theme based, experiment with non narrative structure, and clearly communicate the filmmaker's intent to the target audience. Students express a chosen theme through several different genres and become conversant with the principles of portable digital video acquisition and nonlinear editing. These students are also responsible for producing the Annual Statewide Film Festival.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Financial Literacy - Social Studies (Locations: PIC, KW, NC, MW, RHS)

Currently Available

The Financial Literacy Social Studies course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

Content Area

Social Studies (SS)

Grade Level 11, 12

Forensic Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Forensics science courses introduce students to crime scene investigations and the techniques used to solve crimes. The courses uses all fields of science as they apply to certain situations

Content Area

Science (SC)

Grade Level 11, 12

Horticulture (Location: PIC)

Currently Available

This course challenges students to become experts in the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design. This course is available to all high school students and is located at the PATHWAYS building.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Industry Cert Training (Heavy Equipment Operators) (Location: PIC, MW, RHS)

Currently Available

In a 120 hour class students meet at the center and work on the skills and experience needed to start your career in the Construction Industry. While in training, students have been exposed to practical working conditions likely to be experienced on the job. Students are learning and will be certified to operate a backhoe and front-end loader from the National Center for Construction Education and Research. As they work toward their certification, students are also earning an elective credit through the school district.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Nursing I (Location: PIC)

Currently Available

Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Nursing II (Location: PIC)

Currently Available

Nursing II courses continue to place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Photography I (Locations: PIC, KW, NC)

Currently Available

This course covers fundamental camera operations and techniques, paired with a foundational understanding of composition. Students will explore how photography can be used as a creative tool to make photos that communicate ideas, themes, and/or concepts with the viewer. Students will learn industry-standard software, which includes but is not limited to Adobe Photoshop and Lightroom, to edit and manage their photos. These concepts will be mastered through the creation and production of original art.

Content Area

Fine & Performing Arts (FA)

Grade Level 9, 10, 11, 12

Physical Science (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as the motion of large objects, momentum, energy, the Big Bang Theory, atomic structure, and interactions of non-contact forces.

Content Area

Science (SC)

Grade Level 9

Physical Science A (Locations: PIC, KW, NC)

Currently Available

Students will apply science and engineering practices to explain in-depth phenomena central to the physical sciences, such as, motion of large objects, momentum, energy, the Big Bang Theory, atomic structure and interactions of non-contact forces at the advanced level.

Content Area

Science (SC)

Grade Level 9

Pre-AP Chinese Lang & Culture (Locations: PIC)

Currently Available

Pre-AP Chinese Language and Culture course prepares students to be successful in AP Chinese Language and Culture building upon prior knowledge and developing students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. This course also helps students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts. Students will demonstrate full command of the target language at the Intermediate Low level with scaffolded exposure and practice within the Intermediate Mid level texts and tasks, Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks, and Intermediate Mid level with scaffolded exposure and practice within the Intermediate High level texts and tasks.

Content Area

World Language (FL)

Grade Level 9, 10, 11, 12

Sports Medicine 2 (Location: PIC)

Currently Available

This course aims to provide students with the skills and knowledge necessary to provide emergency care, triage, and management of emergencies and life-threatening situations for physically active populations. Students will earn their CPR certification and hands-on experience with splinting, spine boarding, and other emergency management techniques.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Sports Medicine 3 (Location: PIC)

Currently Available

In this course, students will gain clinical and field experiences in athletic training or a healthcare-related profession of choice. Students will have the opportunity to experience healthcare and sports medicine hands-on to understand a potential career better.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Statistics (Locations: PIC, KW)

Currently Available

Statistics is a course recommended for students who want to explore introductory statistics using hands-on labs and technology simulations. It could be a precursor to a college level introductory course but is relevant for any post high school path. Topics will include one variable data analysis, normal distribution, data collection, confidence intervals and significance tests.

Content Area

Mathematics (MA)

Grade Level 12

Upholstery (Location: PIC)

Currently Available

Upholstery is an advance course that will teach students the high-need, high-wage skills of automotive and furniture upholstery. Students will be completing hands-on projects to learn the skills necessary for introduction to these skills. Students will demonstrate basic stitching, measuring, pattern drafting, and embroidery to meet basic industry standards

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Veterinary Science I (Location: PIC)

Currently Available

Veterinary Science students will investigate the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic companion and farm animals. Course topics include anatomy and physiology, nutrition, feeds and feeding, behavior and training, disease prevention, reproduction and genetics, ethics of animal care and animal husbandry, fitting and showing, maintaining equipment and facilities, and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science II (Location: PIC)

Currently Available

Veterinary Science II students will build upon the introductory skills learned in Veterinary Science I. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research and diagnosis, to the development of treatment plans and follow-up, and finally preparing patient billing and client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, veterinary skills, veterinary careers and other areas of study as appropriate.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Veterinary Science III (Location: PIC)

Currently Available

Veterinary Science III students will build upon the introductory skills learned in Veterinary Science I & II. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment

Content Area

Career & Technical Education (CTE)

Grade Level 12

Veterinary Science IV (Location: PIC)

Currently Available

Veterinary Science IV students will further build upon the introductory skills learned in Veterinary Science I, II & III. Students will investigate the care of animals through the process of case studies that focus on the causes, diagnosis, and treatment of diseases and injuries of animals. This process will take students from patient intake, through systems research & diagnosis, to the development of treatment plans & follow-up, and finally preparing patient billing & client communication. Course topics include anatomy and physiology, nutrition, disease prevention, reproduction and genetics, the ethics of animal care and animal husbandry, quality assurance within the food supply, career readiness, and other areas of study as appropriate. In addition, students will become more familiar with veterinary skills (i.e. handling & restraint, assisting in giving medications, etc.) laboratory procedures and use of veterinary equipment. In addition, students will be creating a comprehensive health plan for an animal based entity and develop a career portfolio

Content Area

Career & Technical Education (CTE)

Grade Level 12

Welding & Manufacturing IV (Locations: PIC, MW)

Currently Available

Students will continue to demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 11, 12

Welding II FCAW, GTAW (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Flux Cored Arc Welding and Gas Tungsten Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional units of study include metallurgy, welding symbols, blueprint reading, thermal cutting, and instruction in the use of metal fabricating equipment such as the CNC Plasma torch. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC, MW)

Currently Available

Students that have previously enrolled and successfully completed Welding Tech I and are enrolled in welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding II SMAW, GMAW (Locations: PIC, KW, NC)

Currently Available

An advance course where students that have previously enrolled and successfully completed Welding Tech I and are enrolled in Welding II will gain experience in a series of advanced welding techniques in both Shielded Metal Arc Welding and Gas Metal Arc Welding Welded processes. Students will practice and complete weldments in the horizontal and vertical positions. Students will complete a guided bend test that will be visually inspected and bent according to industry standards to evaluate students' welding ability. Additional areas of study include, oxyfuel welding and cutting, destructive and non-destructive testing, blueprint reading, fabrication methods, occupational exploration. Classroom instruction will include the AWS SENSE curriculum to ensure a viable and consistent curriculum. Other resources will also be introduced to meet curriculum requirements and standards. Students may be eligible to receive a SENSE completion certificate at the end of the course. The SENSE program shall NOT be confused with the AWS Certified welder certification program. Students may also have the opportunity to earn a completion certification and meet competencies in the NCCER (National Center for Construction Education and Research) Level I and Level II Welding Curriculum.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Welding III Manu & Fabrication (Locations: PIC, MW, RHS)

Currently Available

Students will demonstrate proficiency in a variety of advanced level manufacturing and welding processes. Students will develop an educational plan with their instructor to identify specific areas of study. This could include but not limited to work-based learning, NCCER (National Center for Construction Education and Research) Level I and II certification, internships, On the Job Training (OJT), and other advanced skills, with local business and industry partners.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Woodworking I (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

Woodworking II (Locations: PIC, MW)

Currently Available

Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 10, 11, 12

Woodworking (Locations: PIC, KW, NC)

Currently Available

Advance Woodworking courses introduce students to the various kinds of woods used in woodworking and offer experience in using selected woodworking tools. Students design and construct one or more projects and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized.

Content Area

Career & Technical Education (CTE)

Grade Level 9, 10, 11, 12

World History-Overview (Locations: PIC, KW, NC, MW, RHS)

Currently Available

Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The objective of this course is to learn how the past affects the present and to teach students how to access and interpret information as it relates to today's world through in-depth analysis and critical thinking.

Content Area

Social Studies (SS)

Grade Level 11, 12