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Alamogordo



High School

2018-2019
Course Catalog



Alamogordo High School

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Assistant Principals

Gid Allen
Pam Moffett
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School Counselors

Jo Nell Ingram
Bobbi Lawhorn
Stephanie Rodriguez
Mark Sanchez

Athletic Director

Jerrett Perry

Course Title: Exploration and Investigation

Grade Level: 9-12

Special Notes: Placement by IEP only

Description: Class will provide students an exploration and investigation course. Class will use gifted and talented models of learning.

Course Title: NM History Pre-AP/Gifted

Grade Level: 9

Special Notes: One semester course

Description: This course will examine the history and geography of New Mexico. The geography portion explores the major geographical features of New Mexico and how the states' unique features impact pattern of settlement. The course will focus on New Mexico History from statehood until the present.

Course Title: World History Pre-AP/Gifted (NCAA)

Grade Level: 10

Description: This course analyzes the major periods, trends, technology, people, causes, influences, and outcomes of world events from the earliest human civilizations to the modern era. Students will be expected to write extensively to prepare them for the demands of being a responsible world citizen.

NOTES

Reading skills related to daily living such as alphabet, basic vocabulary, and safety signs; 3) Work skills related to applications, resumes and interviewing; 4) Social skills; 5) Community outings which may include walking, school transportation, and public transportation such as the Zia Trans.

Course Title: Vocational Co-op
Grade Level: 12
Special Notes: Placement by IEP only; Student must have a job in order to take this course.
Description: The curriculum for this course includes but is not limited to interviewing skills, resume writing, work habits, work hygiene, work clothing, volunteering, and part-time/full-time employment.

Course Title: Work Training Skills
Grade Level: 11-12
Special Notes: Placement by IEP only
Description: Curriculum includes but is not limited to small engine repair and maintenance, basic electrical functioning and description for house wiring, basic plumbing description and installation for houses, metal forge description and operation, basic welding (Arc, MIG, Oxy-Acetylene), and basic auto technology and alternative energy.

GIFTED COURSES

Course Title: English 9 Pre-AP/Gifted (NCAA)
Grade Level: 9
Prerequisite: Grade of "B" or better in 8th grade English
Description: This course is designed to provide students with more in depth instruction in reading and writing in order to prepare them for the demands of upper level English courses. Gifted/Pre-AP classes are courses that provide gifted students with opportunities not available through regular or advanced classes.

Course Title: English 10 Pre-AP/Gifted (NCAA)
Grade Level: 10
Prerequisite: Grade of "B" or better in 9th grade English
Description: Students will develop analytical reading, academic writing, critical thinking, and presentation skills. Course content includes myth, short story, poetry, drama, and novels. Analytical reading instruction will extend understanding of literary elements and language. Students will explore themes of self-discovery and personal challenge through literature. Writing instruction will extend their understanding of varied modes of writing: narrative, literary analysis of a sonnet, definition and persuasion. In addition, instruction will develop skills in critical thinking, effective discourse, collaboration, reflection, and Standard English writing conventions.

Course Title: English 11 Pre-AP/Gifted (NCAA)
Grade Level: 11
Prerequisite: Grade of "B" or better in 10th grade English
Description: Students will develop analytical reading, academic writing, critical thinking, and presentation skills. Course content includes myth, short story, poetry, drama, and novels. Analytical reading instruction will extend understanding of literary elements and language. Students will explore themes of self-discovery and personal challenge through literature. Writing instruction will extend their understanding of varied modes of writing: narrative, literary analysis of a sonnet, definition and persuasion. In addition, instruction will develop skills in critical thinking, effective discourse, collaboration, reflection, and Standard English writing conventions.

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SUCCESS IN SECONDARY SCHOOL

Success in high school requires planning and a lot of hard work. Use this guide to help select the high school courses you need for graduation and beyond. Many courses are required and there are also many enjoyable and enriching electives. Choose your courses carefully, plan to work hard, and get involved in extracurricular activities.

Academic and career planning is an ongoing process for students at Alamogordo High School. Each student will develop a Next Step Plan and update it annually. The Next Step Plan is a planning process created by the student to note current career interests, post-secondary goals, and courses the student plans to take to meet graduation requirements, as well as support postsecondary goals.

Parents play an influential role in helping their son or daughter plan, prepare, and develop a Next Step Plan. Parents should:

- Review this guide and materials they receive at school and discuss them with their student.
- Learn graduation plan requirements and be sure that the students meets them.
- Encourage students to take foreign language courses and other courses needed for college entrance as soon as possible.
- Make sure students select courses that help them meet their educational and career goals.
- Encourage students to take Advanced Placement courses and dual credit courses to earn college credit while still in high school.
- Help students to learn about colleges and careers that interest them.

Students who are involved in after school activities are often more successful in school. AHS offers clubs, teams, and other opportunities for learning academic and social skills, making friends, and developing leadership skills. Encourage your student to be involved in at least one after school activity.

COURSE SELECTION/PRE-REGISTRATION PROCESS

Alamogordo High School builds the schedule of classes on the basis of all of the courses requested by students. Therefore, once completed, student course selections will be considered final unless the selections fail to prepare the student for minimum graduation requirements. Course availability for non-required, elective courses is determined by sufficient student requests and staff availability. Insufficient pre-registration numbers or staffing constraints could cause a course to become unavailable after the initial scheduling selection process. Therefore, students should choose course selections carefully, based on the following factors:

- Requirements for graduation;
- Significance of the course to the student's Pathway and educational/career goals;
- Purpose of the course; and
- Possible prerequisites for other courses.

Students are encouraged to seek assistance and guidance from their parents or guardians, teachers, and counselors. The students' actual schedules will be determined by pre-requisite requirements, sufficient student interest through course requests, and availability of staff to teach the requested courses.

SCHEDULE CORRECTIONS

Adequate schedule planning for students, teachers, and classroom space can be completed only when school officials can consider students' schedule requests to be final and binding. There will be times when a correction is necessary. Schedule corrections will be guided by the following:

Description: This class is for students 18-22 who have met graduation goals and would like to continue to work on transition goals for employability or independent living skills. The class will focus on individual transition goals. This may include exploring possible employment or volunteer positions within the community, working on completing resumes, and applications for further education and job or volunteer positions, and contracts, i.e. rentals and utilities. Planning, shopping, and preparing nutritious meals, completing household chores and yard work. Planning a budget and completing banking transactions may also be a part of this program. Students may also be introduced to activities with other adults with special needs programs or other leisure activities that fit within their personal budget. The goal of this program will be to help students to become as independent as possible.

Course Title: English 9/10C (NCAA)

Grade Level: 9-10

Special Notes: Placement by IEP only

Description: This class builds upon the students prior knowledge of grammar, vocabulary, word usage and mechanics of writing. The skills of reading, research, writing, speaking, and listening will be developed. The student will engage in various genres of literature such as novels, short stories, dramas and poetry and respond through writing. The student will continue to develop vocabulary, grammar skills, and produce a variety of compositions, demonstrate critical reading, thinking, and listening skills, analyze elements of literature, and develop organizational skills.

Course Title: English 11/12C (NCAA)

Grade Level: 11-12

Special Notes: Placement by IEP only

Description: The student will develop and broaden vocabulary, develop good work habits, produce a variety of coherent essays and gain exposure to American Literature which will include both fiction and non-fiction text. Students will focus on the cultural and historical significance of American and British Literature.

Course Title: Functional Living Skills

Grade Level: 9-12

Special Notes: Placement by IEP only

Description: Curriculum for Functional Living Skills is based on Extended Standards and Benchmarks which require performance based instruction and testing, preferably in a natural setting. Students are expected to relate daily living skills abilities to their environments, enabling them to adapt to personal, every day, life skills. Students are expected to perform and develop such skills as cooking, cleaning, sewing, personal hygiene, shopping and other general household maintenance. Other activities incorporate learning community or environmental protocol.

Course Title: Reading

Grade Level: 9-12

Special Notes: Placement by IEP only

Description: A diagnostic/prescriptive approach to reading that incorporates technology and reading curriculum. This is a research-based program that addresses fluency, comprehension and phonics.

Course Title: Transition Academics

Grade Level: 9-12

Special Notes: Placement by IEP only

Description: The coursework in this class is individualized according to student's IEP goals and objective for functional reading or math based on the state benchmarks and standards. This may include: 1) Daily living math skills related to money, time, and basic mathematics; 2)

Prerequisite: Restaurant Management I, Culinary Arts preferred
Fee: \$25, which includes FCCLA dues, National Restaurant Association Test, and Co-op insurance
Description: Sequential course designed to provide the work experience component of the ProStart program of study. Student will work in an industry-based setting and be evaluated by work-based competencies. Earn money for graduation or college. Earn credit while getting on-the-job career exploration and experience. If you are working in any related food service, hospitality or tourism job, or would like to, this is the class for you. Earn credit; develop a portfolio while exploring one of the largest career pathways in New Mexico and the world. (To meet the ProStart Certification of Excellence by the National Restaurant Association the student must have 400 hours of which 180 may be hours of work in El Tigre, caterings, events, etc. and be currently enrolled in the Restaurant Management class over a 2 year period). Work site and job will be supervised by teacher. Work site supervisor and teacher will evaluate student performance. (Class application can be picked up from Mrs. Hester.) Many Professional Chefs have graduated from this program at AHS, attended prestigious culinary academies and are working all over the world.

SPECIAL EDUCATION COURSES

All Special Education courses, including Gifted, are by IEP placement.

Course Title: Algebra I/C
Grade Level: 9-12
Special Notes: Placement by IEP only
Description: Students should have a good grasp of multiplication facts and basic operations with whole numbers, fractions and decimals upon entering this class. While there will be some review on the above mentioned, the main focus will be learning and understanding the main concepts in Algebra.

Course Title: Biology/C
Grade Level: 9
Special Notes: Placement by IEP only
Description: This course is designed to fulfill 9th grade Biology requirements for students enrolled in special education. The course covers various topics related to the properties, structures, and processes of living things and their environments including the following: scientific method, ecology, food chains & webs, environmental cycles, living vs. non-living, classification, kingdoms, plant & animal cells, photosynthesis & respiration, respiratory system, nutrition & digestive system, lines of defense & immune system, mitosis & meiosis, reproductive system, genetics & DNA, and evolution & Darwin's theories.

Course Title: Community Living – Young Adult Transition Program
Grade Level: 12+
Prerequisite: Student has met graduation requirements, and wishes to continue to work on transition goals for employment, volunteer work, or independent living skills.
Special Notes: Placement by IEP only; If student has met graduation requirements and chooses to accept a graduation date before entering the program, they may not qualify for lottery scholarships, but may explore other resources if necessary.

1. **Students will not be allowed to correct their schedules unless there are extenuating circumstances and administrative approval is given. Class schedules may be changed throughout the summer. Corrections will only be considered during the first 10 days of a semester for the following reasons. The student:**
 - Does not meet prerequisites for the course;
 - Already has credit for the course;
 - Failed courses from previous semesters;
 - Is requesting a change to a course with a higher degree of difficulty in the same subject area; or
 - Needs to fulfill a minimum graduation requirement.

Students who choose to withdrawal from a course once the new school year has begun and without administrative approval will receive a "WF" and no credit for the course, regardless of the student's grade at the time of withdrawal. The student's transcript will show a "WF" grade for the semester in which the withdrawal is made, and will be calculated in the grade point average and affect class rank. The student will also be on audit status for the course they are going into. The grade will be reflected on the student's transcript, but will not be awarded credit for the course.
2. Teacher changes will only be allowed with administrative approval.
3. **No** schedule corrections will be allowed during second semester unless the student has administrative approval.
4. If requesting a level change from an AP/Pre-AP course into a regular course, the student will be required to meet with the AP or Pre-AP teacher, his or her parent/guardian, and grade level counselor to consider strategies for helping the student succeed in the class. If the student is still struggling after implementing the strategies, the student, with parent permission, may request a transfer to a regular class if space is available.

Student course selections will be considered final unless the selections fail to prepare the student for minimum graduation requirements. See your school counselor for further assistance.

	Class of 2019	Class of 2020	Class of 2021	Class of 2022
NM History	.5	.5	.5	.5
Geography	.5	0	0	0
World History	1	1	1	1
US History	1	1	1	1
Economics	.5	.5	.5	.5
Government	.5	.5	.5	.5
PE/ROTC/Band	1	1	1	1
Health	.5	.5	.5	.5
Language or Career	1	1	1	1
Mathematics	4 total, including Algebra II	4 total, including Algebra II	4 total, including Algebra II	4 total, including Algebra II
Science	3 total, including Biology	3 total, including Biology	3 total, including Biology	3 total, including Biology
English	4	4	4	4
Electives	6.5	7	7	7
Dual Credit, AP, Pre-AP, or Distance Learning	1	1	1	1
Total Credits Required For Graduation	24	24	24	24

PATHWAYS

All Alamogordo High School students have the opportunity to focus their high school elective course choices into a Pathway. All high school Pathways begin with the Required Graduation Program. The five Schools are divided into sixteen Pathways. The Pathways are a method of organizing the available electives into college and career focus areas and to allow students the opportunity to graduate from high school with certification in a specific skill area.

Pathways are a sequence of three or more courses that a student completes within a School. Each Pathway will have a series of courses that will move a student from a beginning introductory course to two or more increasingly advanced courses. All Pathways start with the Required Graduation Program as a foundation and focus on the use of electives in a coherent sequence to build student skills in an area of interest. The selection of a Pathway is **mandatory** and based upon individual interest and aptitude.

Students should seek guidance from their teachers, counselors, and parents, regarding which Pathway provides the best opportunities for academic growth and success. Please refer to the Course Pathways & Information Guide for detailed information regarding Pathways.

Dual Credit

Dual credit courses provide students with the opportunity to earn both college and high school credit simultaneously. Alamogordo High School has dual credit agreements with New Mexico State University-Alamogordo (NMSU-A) that allow students to enroll in eligible college courses with a tuition waiver. Alamogordo High School will provide the textbook, which MUST be returned to AHS upon conclusion of the course. Students and their families are responsible for course fees, supplies, and transportation. Online coursework incurs additional fees, which the student and family are responsible for. **It is very important that students apply for dual credit well in advance of their first dual credit course.** Students wishing to participate in dual credit courses should contact their school counselor prior to enrolling, as documents must be completed for both AHS and NMSU-A. Students enrolled in dual credit are subject to the rules, guidelines and calendars of NMSU-A. Therefore, even if Alamogordo High School has the day off, students are still required to attend their college class if it is scheduled.

College courses worth 3-4 college credits are awarded 1.0 high school credit. College courses worth 1-2 college credits earn .5 high school credit. College courses are not given additional weight when awarding GPA points.

Parents and students should carefully review the Dual Credit Agreement of Understanding when enrolling in dual credit coursework. Grades will appear on both your high school and college transcripts, and could affect graduation, grade point average, and class ranking at Alamogordo High School. Failing any course may affect future admission to many colleges and the student's ability to qualify for financial aid and scholarships. The student must meet the requirements of the college course, including attendance. College instructors are not required to accommodate student schedules for sports or other high school activities.

Elective and core courses are offered through Dual Credit. The following dual credit courses can be taken for core credit in place of the high school level course:

Biology	Government
Chemistry	Algebra II
English 12	Pre-Calculus
Economics	

****Please see your school counselor for eligibility requirements****

tion. Students will apply menu selection, culinary nutrition, and menu designs to creating weekly menus for catering or other entrepreneurship projects. Students may apply for the jobs of manager, assistant manager, food and beverage director, director of sales, and business manager within developed/designed businesses. Independent work in the labs and research will also be required. FCCLA is an integral part of the class.

Course Title: Restaurant Management/ProStart II

Grade Level: 11-12

Prerequisite: Grade of "C" or better in Restaurant Management I; Fees for all previous FACS classes must have been paid.

Special Notes: One semester, two period course for 1.0 credit each semester

Fee: \$50, which includes FCCLA dues

Description: Sequential course designed to introduce students to industry standards such as customer relations, accounting, food cost controls and marketing. Students are also encouraged to explore a wide variety of careers found in the hospitality and restaurant industries. Students are trained in the National Restaurant Association ServSafe Program. School districts involved in this program must complete an RFP process and be a recognized site. Students are trained in the National Restaurant Association ServSafe Program.

Course Title: Restaurant Management/ProStart III

Grade Level: 12

Prerequisite: Restaurant Management II and ability to work special events, caterings, and to achieve the National Restaurant Assoc. Certification of Excellence which requires 220 documented hours in Food Service area or in the in school restaurant, El Tigre; Fees for all previous FACS classes must have been paid.

Special Notes: One semester, two period course for 1.0 credit each semester

Fee: \$50, which includes FCCLA dues

Description: Sequential course designed for students pursuing careers in hospitality/food service. This is an intensive program involving topics covering entrepreneurship and managerial techniques, portfolio and customer service skills, safety and sanitation, catering, quick serve, full service, knife skills, plate presentation, and teamwork. Students are trained in the National Restaurant Assoc ServSafe Program. Students who complete the program, a 400 hour internship, and pass the national exam leave high school with a national certification. Co-sponsored by National Restaurant Association Education Foundation.

Course Title: Restaurant Management/ProStart IV

Grade Level: 12

Prerequisite: Restaurant Management III and Culinary Arts preferred.

Special Notes: One semester, two period course for 1.0 credit each semester

Fee: \$55, which includes FCCLA dues

Description: Perfect the culinary and pastry arts skills you enjoy and want to make your career. Explore the educational and career opportunities that await you after graduation. Create a portfolio you will be proud to display or learn how to set up your own business. You have an opportunity to participate in State and National sponsored culinary competitions. Many of our former students are Chefs in famous restaurants across the U.S. We participate in several community events such as "Christmas cookies for the troops" and a visit to HAFB and its culinary facilities. Course introduces students to community service projects, personal development and goal setting, teamwork, problem solving skills and character development.

Course Title: Restaurant Management Cooperative Experience (Work Experience)

Grade Level: 10-12

questions or solve problems related to biomedical sciences. Students will design innovative solutions for health challenges of the 21st century as they work through progressively challenging open-ended problems addressing topics such as clinical medicine, physiology, biomedical engineering, pharmacology, and public health. Students have the opportunity to earn an American Heart Association CPR and First Aid certificate or renewal.

SCHOOL OF HOSPITALITY & TOURISM

CULINARY ARTS

PATHWAY COURSES

The culinary arts classes introduce the students to career readiness skills and adhere to the national standards in the development and implementation of the FACS curriculum. All culinary techniques and preparations must be covered regardless of students' dietary needs or concerns.

Course Title: Culinary Arts I
Grade Level: 9-12
Fee: \$50, which must be paid within the first two weeks of class
Description: Culinary Arts I introduces students to the exciting field of Culinary/Restaurant Careers. Throughout this course students will constantly practice math, science, English, history, and writing skills. This course has a strong science background. The course will provide instruction regarding nutrition, principles of healthy eating, and the preparation and service of food. The course may focus on a specific type of cuisine, domestic or international. Among the topics covered in this course is 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 food service industry.

Course Title: Culinary Arts II
Grade Level: 10-12
Prerequisite: Passing grade in Culinary Arts I
Fee: \$50, which must be paid within first two weeks of class
Description: Students in Culinary Arts II take the knowledge and skills that they have acquired from Culinary Arts I and build upon them learning Pastry and Baking Arts and advanced cooking techniques. The course provides basic knowledge needed to produce baked products. Instruction will include understanding ingredients, proper production methods and standard cost analysis of the product. Students are taught proper safety and sanitation requirements along with tools and equipment needed to complete tasks.

Course Title: Restaurant Management/ProStart I
Grade Level: 11-12
Prerequisite: Grade of "C" or better in minimum of two Culinary Arts courses; Fees for all previous FACS classes must have been paid.
Special Notes: One semester, two period course for 1.0 credit each semester
Fee: \$55, which includes FCCLA dues
Description: Students develop entry level job skills for the food industry, knowledge of restaurant food culinary skills, principles of food production, sanitation, HACCP, difficult and complicated recipes, quantity food preparation, and culinary competitions. The student will manage and operate the on-campus cafe, El Tigre, which serves lunch each week. For this reason, students may be required to occasionally work during lunch and/or caterings. Students are expected to display a high level of maturity, teamwork, customer service, and food produc-

EARLY GRADUATION

Students who wish to graduate before their graduating class should be aware of the following conditions and requirements:

1. Students **must** submit an Early Graduation Application, signed by the student and parent, to the 12th Grade School Counselor **no later** than the first day of school. The Counselor will review the plan, initial required items as they are fulfilled, and ensure the student's schedule and testing data is in order for Early Graduation. Early graduates will remain classified as juniors until the diploma is granted.
2. The New Mexico Public Education Department requires that early graduates meet the graduation requirements, **including testing requirements**, of the class they entered high school. Alternate Demonstrations of Competency may not be used for early graduation unless/until students have exhausted **all** state achievement testing attempts each time these tests are offered.
3. Early graduation options include the following:
 - the June after the third complete year of high school
 - the December of the fourth year of high schoolStudents choosing either of these options may participate in the May graduation ceremony.
4. Students who graduate in December are eligible to attend Prom, but must attend as a visitor.
5. If the student wishes to participate in the graduation ceremony in May, it is their responsibility to inform the school and stay informed regarding graduation activities.

COURSE DESCRIPTIONS

The following courses and descriptions are not necessarily an exact representation of what will be offered as courses may change or be removed due to low enrollment or changes in staff. Please use this catalog as a guide to assist you when choosing appropriate courses while understanding the descriptions do not fully encompass what the class consists of nor what you can expect to do in the course. Remember, just because the course is listed in this guide does not ensure the course will be offered once school begins. If you are scheduled for a course that ends up not being offered, a schedule correction will be done.

If you need guidance to assist you in the course selection process, please seek help from your parents, counselors, and teachers. Be mindful of the minimum graduation requirements when making your selections. For additional Pathway information, and to better assist you in making elective choices, please see your school counselor.

ENGLISH

COURSES

Course Title: English 9 (NCAA)

Grade Level: 9

Description: This course builds upon the student's prior knowledge of grammar, vocabulary, word usage, and mechanics of writing. The skills of reading, research, writing, speaking, and listening will be developed. The student will engage in various genres of literature such as novels, short stories, dramas and poetry and respond through writing.

Course Title: English 9/Pre-AP (NCAA)

Grade Level: 9

Description: This course includes study and application of grammar in composition. The composition emphasis is on expository writing and progresses from brief expository writing to well-organized themes of explanation. Writing instruction progresses from exploration of methods to direct application of research techniques. Emphasis is placed on the fundamental and technical elements of short stories, poetry, and drama.

Course Title: English 10 (NCAA)

Grade Level: 10

Description: The student will continue to develop vocabulary, master grammar skills and syntax, produce a variety of cohesive compositions, demonstrate critical reading/thinking/listening skills, analyze thematic elements of literature, read independently and develop organization and research skills.

Course Title: English 10 Pre-AP/9 (NCAA)

Grade Level: 9-10

Prerequisite: Grade of "B" or better in English 9 or English 9 Pre-AP in 8th grade

Description: This course includes an intensive study of grammar and the application of standard English appropriate to writing and speaking. It includes instruction in the mechanics of writing and sentence construction. Formal writing will be emphasized from paragraph to multi-paragraphs formats. Literature, using literary terms, and techniques, will be approached on different levels: literal reading – for facts and details, and inferential reading – for recognizing implied meanings from a text by reasoning, making comparisons, and drawing conclusions. In both literature and composition, the overall focus will be placed on the development/application of critical thinking skills.

Course Title: English 11 (NCAA)

Grade Level: 11

Description: In this course, the student will develop and broaden vocabulary, prepare for the ACT, SAT and PARCC, master essay structure, trace the development of American literary thought, continue critical analysis of literature, and produce a well-organized research paper.

Course Title: English 11 AP (NCAA, AP Exam)

Grade Level: 11

Prerequisite: Grade of "B" or better in English 10 Pre-AP or English 10. Students need Instructor Approval.

Description: The AP English Language Composition course is designed to parallel a college freshman-level course in composition and rhetoric. The Advanced Placement Program in English is a rigorous one, designed for students who are reading at or above grade level. Students should also possess fundamental skills in inquiry (research), analysis, and informed argument. The reading and composition focus is on non-fiction texts, with an emphasis in analysis and rhetorical strategies.

Course Title: Athletic Training IV

Grade Level: 12

Prerequisite: Athletic Training III AND Instructor Approval

Special Notes: An after school commitment is required.

Fee: \$20

Description: Athletic Training II is a hands-on course for students interested in the medical field. In this course, student will continue to work with sports teams and play a role in prevention, assessment, treatment, and rehabilitation of injuries.

Course Title: Introduction to Health Occupations

Grade Level: 9-12

Prerequisite: None

Special Notes: Purchase of scrubs optional

Fee: \$35

Description: This course is for students who have a possible interest in medicine or the allied health fields. Students will be exposed to the opportunities available in a variety of occupational clusters within the health care industry (such as dental care, general and administrative services, lab technology, nursing, therapy, and vision care.) Students will learn important skills for becoming a successful health care provider and will have the opportunity to earn an American Heart Association Heartsaver CPR certificate.

Course Title: Medical Science—Health Science I

Grade Level: 10-12

Prerequisite: Grade of "C" or better in both Algebra I and Biology

Special Notes: Purchase of scrubs required

Fee: \$35

Description: This course allows students to participate in a survey of emergency medicine/first aid and provides an introduction to applied human biology, medical terminology and a basic understanding of health care as a career. Students examine the interactions of body systems in health and disease as they explore identity, communication, power, movement, protection, and homeostasis. Students have the opportunity to earn an American Heart Association CPR and First Aid Certificate.

Course Title: Medical Science—Health Science II

Grade Level: 11-12

Prerequisite: Grade of C or better in Medical Science required, grade of B or better in Medical Science recommended

Special Notes: Purchase of scrubs required

Fee: \$35

Description: This course continues to build on concepts learned in Medical Science. The major focus on this course is on human biology, medical terminology, and investigating the diagnosis, prevention, and treatment of diseases in humans. Students will explore how to prevent and fight infection, how to prevent, diagnose, and treat cancer, and how to prevail when the organs of the body begin to fail. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. Students have the opportunity to earn an American Heart Association CPR and First Aid certificate or renewal.

Course Title: Medical Science—Health Science III

Grade Level: 11-12

Prerequisite: Grade of C or better in Medical Science required, grade of B or better in Medical Science recommended

Special Notes: Purchase of scrubs required

Fee: \$35

Description: This course continues to build on concepts learned in Medical Science. The major focus on biomedical research and design. Students will apply their knowledge and skills to answer

dents will be required to volunteer for Big Brothers Big Sisters—volunteering will take place during class time. **Requires walking several times a week to observe and interact with young children as students learn about this rewarding career.** Students who successfully complete the requirements will earn the RECOGNIZED **State of New Mexico 45-Hour Entry Level Course Certificate** and the First Aid and CPR Card. Throughout this course, students will continually practice math, science, English, history, and writing skills. This course has a strong science base, focusing on the most current research. This course is designed to help students in their common core classes as well as prepare them for life after high school. *Completion of the Child Development Pathway will lead to certification and career experience.*

Course Title: Child Development IV

Grade Level: 11-12

Prerequisite: Child Development III

Fee: \$35

Description: **Focus: Teaching and Elementary Education.** Explore a teaching career in elementary education by mentoring in an elementary school. The FCCLA guidelines for Teach and Train will be used in preparing a portfolio and oral presentation on the mentoring experience. This course is designed to help students in their common core classes as well as prepare them for life after high school. This is a year long course. *Completion of the Child Development Pathway will lead to certification and career experience.*

HEALTH SCIENCE TECHNOLOGY

PATHWAY COURSES

Course Title: Athletic Training I

Grade Level: 9-10

Prerequisite: Instructor Approval

Special Notes: The student will be expected to participate in after school activities regularly.

Fee: \$20

Description: This course is a hands-on course for students interested in the medical field. The student will work with sports teams and play a role in prevention, assessment, treatment, and rehabilitation of injuries.

Course Title: Athletic Training II

Grade Level: 10-12

Prerequisite: Athletic Training I AND Instructor Approval

Special Notes: The student will be expected to participate in after school activities regularly.

Fee: \$20

Description: This course is a hands-on course for students interested in the medical field. The student will work with sports teams and play a role in prevention, assessment, treatment, and rehabilitation of injuries.

Course Title: Athletic Training III

Grade Level: 11-12

Prerequisite: Athletic Training II AND Instructor Approval

Special Notes: An after school commitment is required.

Fee: \$20

Description: Athletic Training II is a hands-on course for students interested in the medical field. In this course, student will continue to work with sports teams and play a role in prevention, assessment, treatment, and rehabilitation of injuries.

Course Title: English 12 (NCAA)

Grade Level: 12

Description: In this course, the student will expand their vocabulary for the ACT and SAT, develop group and oral presentation abilities, produce a variety of coherent essays which include but are not limited to college entrance and literary criticism. The student will engage in a study of British literature, history, culture and the development of the English language. By teacher recommendation, students may be assigned to **Senior Writing Lab**, an elective credit, to enhance the learning of English 12 concepts.

Course Title: English 12 AP (NCAA, AP Exam)

Grade Level: 12

Prerequisite: Grade of "B" or better in English 11 AP or English 11. Students should seek Instructor Approval.

Description: English 12 AP is designed for the highly motivated student seeking rigorous preparation for college. This is a college-level class and as such requires college-level commitment. This course engages students in close reading and critical analysis of literature in order to deepen their understanding of the ways writers use language to provide both meaning and pleasure. There will be an intensive study of representative pieces from various genres and periods (16th to the 21st centuries) by authors whose works have recognized literary merit. Students will use written analysis, both formal and informal, to further deepen their understanding of the texts, the writer's craft, and themselves.

MATHEMATICS

COURSES

Course Title: Algebra I/9 (NCAA)

Grade Level: 9

Special Notes: Students in this course are required to have a graphing calculator.

Description: This course includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. This course will provide students with a basic foundation of algebra skills enabling them to advance to Geometry and Algebra II. Students in this course are required to have a scientific calculator.

Course Title: Algebra II (NCAA)

Grade Level: 11

Prerequisite: Successful completion of Algebra I and Geometry

Special Notes: Students in this course are required to have a graphing calculator.

Description: Includes the study of field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; operations with rational and irrational exponents.

Course Title: Algebra II Pre-AP (NCAA)

Grade Level: 10-11

Prerequisite: Successful completion of Algebra I and Geometry

Special Notes: Students in this course are required to have a graphing calculator.

Description: This course is a rigorous study of Algebra topics that include field properties and theorems; set theory; operations with rational and irrational expressions; in-depth study of linear equations and inequalities, factoring of rational expressions; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equa-

tions; properties of higher degree equations; and operations with rational and irrational exponents. Due to the accelerated pace, additional topics will be covered including an in depth coverage of conics and trigonometry which cannot be covered due to time constraints in Algebra II. Additionally, projects such as designing a fireworks display and utilizing different function families to draw pictures will be assigned.

Course Title: Calculus AP/AB (NCAA, AP Exam)
Grade Level: 11-12
Prerequisite: Successful completion of PreCalculus AND Instructor Approval
Special Notes: Students in this course are required to have a graphing calculator.
Description: Provide students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. Introduces the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including anti-derivatives and the definite integral). Intended to prepare students for the optional AP Exam.

Course Title: Calculus AP/BC (NCAA, AP Exam)
Grade Level: 11-12
Prerequisite: Successful completion of Calculus AP/AB
Special Notes: Students in this course are required to have a graphing calculator.
Description: Provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also requires additional knowledge of the theoretical tools of calculus. Begins where Calculus AB left off with 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. Intended to prepare students for the optional AP Exam.

Course Title: Financial Literacy
Grade Level: 12
Prerequisite: Student must be a senior
Special Notes: Scientific Calculator required. **This course is NOT NCAA approved.**
Description: This course provides an understanding of the topics of finance while reinforcing concepts and skills in the high school mathematics standards. This course aligns to at least the Algebra I standards. The finance topics include: income and careers; money management; credit and debt; and savings and investing. Topic sections cover: personal income, business ownership; budget; taxes; insurance; credit cards; buying versus leasing, mortgages, rent; credit ratings, bankruptcy, bank and brokerage accounts; interest rates; stocks and bonds; retirement; pensions; inheritance; and government financing. The Standards for Mathematical Practice apply throughout this course and, together with the content standards, prescribe mathematics as a coherent, useful, and logical subject that makes sense of problem situations.

Course Title: Geometry (NCAA)
Grade Level: 10
Special Notes: Students in this course are required to have a graphing calculator.
Prerequisite: Successful completion of Algebra I
Description: This course emphasizes an abstract, informal approach to the study of geometry and includes 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 conjectures, postulates, theorems, and informal proofs; rules of congruence, similarity, parallelism, and perpendicularity; and rules of angle measurement in triangles, including trigonometry, coordinate geometry, and transformational geometry. A scientific calculator, compass, and

Course Title: Metal Fabrication IV
Grade Level: 12
Prerequisite: Metal Fabrication III
Special Notes: Student must provide their own safety equipment.
Fee: \$25
Description: This advanced class will concentrate on Metal Art, Industry Welding, and Trailer Building and Manufacturing. Students are required to pass the NCCER safety exam. The course will follow the guidelines of the American Welding Society (AWS). Materials: all safety equipment required under OSHA safety standards, leather boots or shoes, safety glasses Z87, long-sleeved cotton work shirt, long pants, and a welding helmet with a 10 shaded lens.

SCHOOL OF HEALTH AND BIOSCIENCES

EARLY CHILDHOOD EDUCATION

PATHWAY COURSES

Course Title: Child Development I
Grade Level: 9-12
Prerequisite: Parent permission required.
Fee: \$10
Description: **Focus: Early Childhood Development.** The student will study the developing child from conception to age three, emphasizing the physical, emotional, intellectual and social developmental stages, parenting responsibilities, relationships, prenatal care, and discipline. Throughout this course students will continually practice math, science, English, history, and writing skills. This course has a strong science base, focusing on the most current research. This course is designed to help students in their common core classes as well as prepare them for life after high school. This is a year long course. *Completion of the Child Development Pathway will lead to certification and career experience.*

Course Title: Child Development II
Grade Level: 10-12
Prerequisite: Child Development I OR instructor approval, and parent permission required
Fee: \$10
Description: **Focus: Parenting and Family.** Skills of parenting children from infancy through adolescence are covered emphasizing responsibilities, nurturing and guiding of a child's physical, intellectual, social, character, and emotional development. Students will be required to volunteer for Big Brothers Big Sisters—volunteering will take place during class time. **Requires walking or driving to observe and interact with young children.** Throughout this course, students will continually practice math, science, English, history, and writing skills. This course has a strong science base, focusing on the most current research. This course is designed to help students in their common core classes as well as prepare them for life after high school. *Completion of the Child Development Pathway will lead to certification and career experience.*

Course Title: Child Development III
Grade Level: 10-12
Prerequisite: Child Development II
Special Notes: 1. Upon successful course completion, Student will earn a recognized ****State of New Mexico 45-Hour Entry Level Course Certificate**** and the First Aid and CPR card.
Fee: \$35
Description: **Focus: Early Childhood Education and Early Intervention.** Introductory preparation for a career in early childhood education with a mentorship program at a local preschool. Stu-

and clear communication skills. Students can expect to solve one to three challenges per semester and are expected to approach the class with a “work place” attitude. This course can lead to industry-recognized certification.

Course Title: MESA – Mathematics, Engineering, Science Achievement
Grade Level: 9-12
Prerequisite: Permission of Instructor and approved application; 2.0 GPA; Grade of “C” or better in most recent Math, Science and English classes; Engineering I or II is highly recommended.
Fee: \$20
Description: This is a pre-college course program that prepares students for college majors and careers in engineering and science. This class is designed to motivate New Mexico students to excel in science, technology, engineering and math (STEM). This is a project-based course that will involve research, writing, and problem solving, teamwork, and clear communication skills.

METAL FABRICATION

PATHWAY COURSES

Course Title: Metal Fabrication I
Grade Level: 9-12
Special Notes: Student must provide their own safety equipment
Fee: \$25
Description: This introductory class will teach safety and industry standards and all the workings of basic welding. During semester one, the student will learn safety and industry standards. In semester two, the student will learn welding safety and all the basics of oxyfuel cutting, SMAW (Arc Welding) process, and the GMAW (MIG Welding) process. Student must provide their own safety equipment, which includes, but is not limited to, all safety equipment required under OSHA safety standards; leather boots or shoes, safety glasses Z87, long-sleeved cotton work shirt, long pants and a welding helmet with a 10 shaded lens.

Course Title: Metal Fabrication II
Grade Level: 10-12
Prerequisite: Intro to Industry/Metal Fabrication I
Special Notes: Student must provide their own safety equipment.
Fee: \$25
Description: This beginner class will concentrate on either Metal Art or Metal Fabrication and Manufacturing. Students are required to take and pass a safety exam with 100% accuracy. This class will follow the guidelines of the American Welding Society (AWS). Welding Math. Materials: all safety equipment required under OSHA safety standards, leather boots or shoes, safety glasses Z87, long-sleeved cotton work shirt, long pants, and a welding helmet with a 10 shaded lens.

Course Title: Metal Fabrication III
Grade Level: 11-12
Prerequisite: Metal Fabrication II
Special Notes: Student must provide their own safety equipment.
Fee: \$25
Description: This intermediate class will concentrate on Metal Art, Industry Welding, and Trailer Building and Manufacturing. Students are required to pass the NCCER safety exam. The course will follow the guidelines of the American Welding Society (AWS). Blue Print Reading. Materials: all safety equipment required under OSHA safety standards, leather boots or shoes, safety glasses Z87, long-sleeved cotton work shirt, long pants, and a welding helmet with a 10 shaded lens.

protractor are required.

Course Title: Geometry Pre-AP/9 (NCAA)
Grade Level: 9-10
Special Notes: Students in this course are required to have a graphing calculator.
Prerequisite: Successful completion of Algebra I
Description: This course is a rigorous study of Euclidean geometry topics. Emphasis will be placed on an abstract and formal approach to the study of geometry which includes 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**; rules of congruence, similarity, parallelism, and perpendicularity; and rules of angle measurement in triangles, including trigonometry, coordinate geometry, and transformational geometry. **Other topics will include spherical/elliptical geometry, algebraic geometry. Due to an accelerated pace, the class will delve deeper into geometry, as well as projects, which will include the research of a mathematician and the history of mathematics, as well as several construction projects.** A scientific calculator, compass, and protractor are required.

Course Title: PreCalculus (NCAA)
Grade Level: 11-12
Special Notes: Students in this course are required to have a graphing calculator.
Prerequisite: Successful completion of Algebra II and Geometry
Description: This course prepares the student for success in college-level mathematics courses by providing a solid foundation in algebra and trigonometry. Topics covered include: linear relations and functions, systems of equations and inequalities, polynomial and rational functions, trigonometric functions (their graphs and inverses), trigonometric identities and equations, vectors and parametric equations, polar coordinates and complex numbers, conics, exponential and log functions, sequences and series.

Course Title: PreCalculus Pre-AP (NCAA)
Grade Level: 11-12
Special Notes: Students in this course are required to have a graphing calculator.
Prerequisite: Successful completion of Algebra II and Geometry
Description: This course prepares the student for success in college-level mathematics courses by providing a solid foundation in algebra and trigonometry. Topics covered include: linear relations and functions, systems of equations and inequalities, polynomial and rational functions, trigonometric functions (their graphs and inverses), trigonometric identities and equations, vectors and parametric equations, polar coordinates and complex numbers, conics, exponential and log functions, sequences and series. **Due to the accelerated pace, additional topics will be covered including an in-depth coverage of rotation of conics, parametric equations, conics in polar coordinates, and an introduction to Calculus.** Students in this course are required to have a graphing calculator.

Course Title: Statistics (NCAA)
Grade Level: 11-12
Prerequisite: Grade of “D” or better in Algebra II
Special Notes: One semester course; pairs with Trigonometry; Graphing calculator required
Description: This course introduces the student to the major concepts and tools of data analysis. Topics in this course include event probability, collection and description of data, frequency tables and graphs, and random sampling.

Course Title: Statistics AP (NCAA, AP Exam)
Grade Level: 11-12
Special Notes: Students in this course are required to have a graphing calculator.
Prerequisite: Grade of “C” or better in Algebra II

Description: This course provides a college level introduction to the major concepts and tools for collecting, analyzing, and drawing conclusions about data. Four main topics, including: exploring data, planning a study, understanding probability theory, and acquiring inferential reasoning skills, are presented throughout the year. Connections are made between all aspects of the statistical process, including design, analysis, and conclusions. Students will learn how to communicate methods, results, and interpretations using the vocabulary of statistics and how to use graphing calculators and computer software to enhance the development of statistical understanding through exploring and analyzing data, assessing models, and performing simulations. Students in this course are required to have a graphing calculator.

Course Title: Trigonometry (NCAA)

Grade Level: 11-12

Prerequisite: Grade of "D" or better in Algebra II

Special Notes: One semester course; pairs with Statistics; Graphing calculator required

Description: This course is a higher level than Algebra II. Course will introduce the student to relationships between the sides and angles of triangles and the properties and applications of the trigonometric functions of angles.

SCIENCE

COURSES

Course Title: Anatomy Physiology (NCAA)

Grade Level: 11-12

Prerequisite: Successful completion of Biology

Fee: \$10

Description: This course covers topics relating to the structure and function of the major systems of the human body. Provides advanced preparation for students planning to pursue life science studies at the post-secondary level.

Course Title: Biology/9 (NCAA)

Grade Level: 9

Description: This course covers topics relating to the properties, structures, and processes of living things and the interdependence of living things and their environments. This course fulfills the biology requirement for graduation.

Course Title: Biology AP (NCAA, AP Exam)

Grade Level: 10-12

Prerequisite: Biology, Chemistry strongly recommended

Description: This course is an Advanced Placement course, which is the equivalent of an introductory biology course usually taken by biology majors during their first year of college. It is significantly different from the usual first high school Biology course with respect to the kind of textbook used, the range and depth of topics covered, the type of laboratory work done by students, and the time and effort required of students.

Course Title: Biology Pre-AP/9 (NCAA)

Grade Level: 9

Description: This course covers topics relating to the properties, structures, and processes of living things and the interdependence of living things and their environments. This course fulfills the biology requirement for graduation.

Course Title: Applied Chemistry

Grade Level: 10-12

Prerequisite: Biology and Algebra I

Fee: \$20

Description: This is a contextual-based course that introduces students to the core fundamental concepts of science and technology through authentic projects. Through these projects, students will develop an understanding of the relationship between the physical, biological and social world. Students will gain an understanding of the differences between science and technology, and learn that technology is a process for applying science. Students will develop a deeper understanding of scientific inquiry and the engineering design process when solving real-world problems. Students will experience the interaction of science, technology, engineering, math and literacy through a problem-based learning environment. Finally, the process will require students to use mathematics to analyze costs, develop budgets and make precise measurements to successfully implement project goals.

Course Title: Engineering II/Core Application of Science/Technology

Grade Level: 10-11

Prerequisite: Nature of Science/Technology

Fee: \$20

Description: This course uses the concepts learned from Course 1 to further develop students' problem-solving strategies and skills needed by the 21st-century workforce. Students will continue to explore emerging technologies and techniques in the context of addressing authentic projects. Key concepts introduced in this course include sustainability and environmental trends, systems thinking, and trend analysis and prediction. Through engagement, students will experience the necessary connection between literacy, mathematics and science in a variety of hands-on, real-world projects requiring them to apply academic and technical concepts and skills and technology to complete.

Course Title: Engineering III

Grade Level: 11-12

Prerequisite: Engineering I OR Engineering II

Fee: \$20

Description: This course will examine the past, present and future of science and technology on culture, society and the environment. Students will explore how their predecessors worked to solve some problems that still exist today, and examine the potential of using modern technology to solve these problems. From these explorations, students will engage in a variety of hands-on design projects that will address tradeoffs, optimization, interconnectivity and the nature of complex systems.

Course Title: Engineering 3D Graphics I

Grade Level: 10-12

Prerequisite: Grade of "C" or better in Algebra I

Fee: \$20

Description: Lab course. This course will give students a practical, working knowledge of the techniques and principles used in various type of industry recognized software. This course is an introduction to the skills and procedures used in architecture and engineering graphics. This project based course will involve research, writing and problem solving, teamwork, and clear communication skills. Students can expect to solve one to three challenges per semester and are expected to approach the class with a "work place" attitude.

Course Title: Engineering 3D Graphics II

Grade Level: 11-12

Prerequisite: Engineering 3D Graphics I; Grade of "C" or better in Algebra I

Fee: \$20

Description: Lab course. This course is a continuation of Engineering 3D Graphics I. Students will continue to use industry-type solid modeling software that uses engineering applications in the design process. Students will also use tutorial texts to progress through the applications. This project based course will involve research, writing, and problems solving, teamwork,

SCHOOL OF ENGINEERING , CONSTRUCTION ,& MANUFACTURING

CONSTRUCTION

PATHWAY COURSES

Course Title: Structures and Construction I
Grade Level: 9-12
Special Notes: Student must provide their own safety equipment.
Fee: \$25
Description: Topics will include introductory surveying, concrete and masonry, plumbing, drafting, carpentry, and electrical wiring; use of bids and billing information to develop a complete materials list and project cost estimate; use of measurement and layout tools. Safe use of tools, power tools, and shop procedures.

Course Title: Structures and Construction II
Grade Level: 10-12
Prerequisite: Structures and Construction I
Special Notes: Student must provide their own safety equipment.
Fee: \$25
Description: This class includes the next level of construction technology. Topics include advanced surveying, concrete and masonry, plumbing, drafting, carpentry, and electrical wiring; use of bids and billing information to develop a complete materials list and project cost estimate; use of measurement and layout tools. Safe use of tools, power tools, and shop procedures.

Course Title: Structures and Construction III
Grade Level: 11-12
Prerequisite: Structures and Construction II
Special Notes: Student must provide their own safety equipment.
Fee: \$25
Description: Topics include advanced project development and construction. Students will work on constructing a micro-home. Application surveying, concrete and masonry, plumbing, drafting, carpentry and electrical wiring techniques. Safe use of tools, power tools, and shop procedures.

Course Title: Structures and Construction IV
Grade Level: 11-12
Prerequisite: Structures and Construction III
Special Notes: Student must provide their own safety equipment.
Fee: \$25
Description: Topics include advanced project development and construction. Students will work on constructing a micro-home. Application surveying, concrete and masonry, plumbing, drafting, carpentry and electrical wiring techniques. Safe use of tools, power tools, and shop procedures.

ENGINEERING AND TECHNOLOGY

PATHWAY COURSES

Course Title: Engineering I/Nature of Science/Technology
Grade Level: 9-10
Special Notes: This course does NOT fulfill the science graduation requirement.

Description: This course is designed to introduce students to chemical behavior in everyday life. Students will gain a better understanding of common substances, their behavior, and how they relate to the environment. Course study includes measurement, matter and its properties, basic atomic structure, chemical reactions in industry, environment, and everyday processes.

Course Title: Chemistry (NCAA)
Grade Level: 10-12
Prerequisite: Biology and Grade of "C" or better in Algebra I.
Description: This course involves the composition, properties, and reactions of substances; the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure are typical concepts.

Course Title: Chemistry AP (NCAA, AP Exam)
Grade Level: 11-12
Prerequisite: Chemistry, and student is currently enrolled in or has completed Algebra II
Description: This course is designed to parallel college level general chemistry courses. Topics may include atomic theory and structure, chemical bonding; nuclear chemistry; states of matter; and reactions. This course is intended to prepare students for the optional AP Exam in Chemistry.

Course Title: Chemistry Pre-AP (NCAA)
Grade Level: 10-12
Prerequisite: Biology and Grade of "C" or better in Algebra I.
Description: This is a rigorous course. In addition to topics covered in Chemistry, advanced topics include atomic structure, equilibrium and organic chemistry. Extensive laboratory experiences are used to reinforce chemical concepts.

Course Title: Environmental Science AP (NCAA, AP Exam)
Grade Level: 11-12
Prerequisite: Biology, Chemistry strongly recommended, and currently enrolled in or has completed Algebra II
Description: The AP Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Course Title: Earth and Space Science (NCAA)
Grade Level: 10-12
Prerequisite: Algebra I and Biology
Description: Earth Science is a laboratory science course that covers the study of our planet Earth and its neighbors in space. The scientific process and laboratory skills are emphasized along with Earth Science's connections to other scientific disciplines. Students will learn to use evidence-based reasoning and will have the opportunity to improve their reading, writing, and math skills in this class.

Course Title: Astronomy (NCAA)
Grade Level: 11-12
Prerequisite: Biology with a "C" or better and Geometry
Description: This course will examine our solar system, the planets, and minor bodies that orbit the sun. We will examine types of stars and how they are made and function. The class will also explore how galaxies form and their resulting shapes. A general survey of cosmos will include a look at the origin and evolution of the universe, solar system, quantum physics, and space time.

Course Title: Zoology (NCAA)
Grade Level: 10-12
Prerequisite: Biology with a "C" or better
Description: This course builds upon the study of animals which was covered in Biology. Major emphasis is placed upon internal and external anatomy, laboratory studies, natural history, and ecological/phylogenetic relationships. A special emphasis will be placed on animals native to New Mexico.

Course Title: Physical Science (NCAA)
Grade Level: 10
Prerequisite: Available only to students who received a "D" or "F" in Biology/9
Description: This course covers topics relating to the properties and structure of matter; forces and motion; and energy.

Course Title: Physics (NCAA)
Grade Level: 10-12
Prerequisite: Algebra II, Biology
Description: This course is recommended for students planning a career in science or engineering. The student will covers topics related to Newtonian mechanics, electricity, and magnetism.

Course Title: Physics AP/C (NCAA, AP Exam)
Grade Level: 11-12
Prerequisite: Successful completion of Calculus or concurrent enrollment in Calculus
Description: The AP-C Physics course is a calculus based physics course covering classical mechanics. Strong emphasis is placed on solving a variety of challenging problems, some involving calculus. There will be laboratory activities. Students are expected to be motivated and handle independent and small group work. There will be a considerable amount of work outside of the classroom. The College Board gives two AP-C exams, one in mechanics, which is this course, and one in electricity and magnetism. This course is equivalent to part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering.

Course Title: Physics Pre-AP (NCAA)
Grade Level: 10-12
Prerequisite: Algebra II, Biology
Description: This course is designed to prepare students for college level work in science or engineering. Numerous lab activities will allow students to analyze topics in detail. Critical thinking, problem solving, and practical applications of mathematics will be further developed. Topics will include mechanics, waves, optics, electricity and magnetism, and modern physics.

SOCIAL STUDIES

COURSES

Course Title: Economics (NCAA)
Grade Level: 12
Prerequisite: US History
Description: Course provides for an understanding of basic economic principles and use of economic reasoning skills to analyze the impact of economic systems (including the market economy) on individuals, families, businesses, communities, and governments.

Course Title: Government (NCAA)
Grade Level: 12
Prerequisite: US History

Course Title: General Aviation II—Materials and Processes and Aviation Science
Grade Level: 10-12
Prerequisites: General Aviation I, Intro to Transportation—Aviation and Intro to Aviation Maintenance Technology

Special Notes: This is a semester long course
Fee: \$25
Description: Students will be introduced to aircraft drawing to have the knowledge required to know which materials and authorized processes are needed to safely repair an aircraft. Materials discussed will be the various metals used and their properties. Process topics discussed are heat treating of metals, forgings and castings. Composite aircraft construction and traditional sheet-metal construction will be addressed along with aircraft hardware required to complete the aircraft structures and assemblies. Student will also learn about Aviation Science. Aviation Science consists of the support networks required to keep our airplanes flying. The networks consist of; flight operations, aircraft maintenance, air traffic control, airport/airlines management, and FAA regulations. The science behind aircraft engine exhaust emissions, engine noise, engine fuel consumption, and airport noise levels and the ways to improve them will be covered.

Course Title: Airframe I—Airframe, Electrical, Sheet Metal, Assembly and Rigging, Materials and Finishes

Grade Level: 10-12
Prerequisites: Intro to Transportation—Aviation and Intro to Aviation Maintenance Technology
Special Notes: This is a semester long course
Fee: \$25
Description: Students will experience a more advanced class to understand the construction and assembly of modern aircraft as well as vintage aircraft. The physics behind why an airframe is affected by flight stresses such as temperature, turbulence, pressurization, and take-off and landing cycles will be explained. The electrical systems of the airplane are covered more thoroughly with an emphasis on troubleshooting to return the aircraft to an airworthy condition. The "how to" behind aircraft skin and structural repairs will be covered in a hands-on classroom environment. Rigging, assembly, and operational checks of aircraft flight controls and landing gear will be performed with a hands-on approach also. The numerous and varied finishes, corrosion control formulas, and paints for airplanes will be explained as well.

Course Title: Powerplant I—Reciprocating and Turbine Engines, Engine Electrical Control Systems

Grade Level: 10-12
Prerequisites: Intro to Transportation—Aviation and Intro to Aviation Maintenance Technology
Special Notes: This is a semester long course
Fee: \$25
Description: Students will learn the basic concepts of reciprocating (piston powered) aircraft engines, their design, construction, operating theory, and unique characteristics. Students will learn the basic concepts and operational theory of the modern turbine, (turbofan) engine in use today. Both types of engines and their electrical control systems will be explained in detail with the emphasis on troubleshooting. Classroom labs will be available for the tear-down and build-up of both types of aircraft engines.

students will learn troubleshooting, diagnosis and repair of powertrain components, steering & suspension, and braking systems. Semester two students will learn troubleshooting, diagnosis and repair of electrical/electronics, and heating & air conditioning systems.

Course Title: Auto Tech IV

Grade Level: 12

Prerequisite: Auto Tech III

Fee: \$25

Description: This is the fourth sequential course in an automotive program of study meant to take a student into higher level knowledge and skills development. This class of the auto tech series will teach safety, professional shop management, and certification standards of the automotive industry. Semester one students will apply their knowledge while performing preventative maintenance, diagnosing automotive system problems, and repairing & replacing automotive components. Semester two students will continue to apply their knowledge while preparing to transition to post-secondary automotive programs and/or industry certification.

AVIATION TECHNOLOGY

PATHWAY COURSES

Course Title: Introduction to Transportation—Aviation

Grade Level: 9-12

Special Notes: This is a semester long course

Description: This course provides an understanding of the science of flight and includes the history, regulations, and possible career paths within the aviation industry. Introduces the principles of weight and balance, principles of navigation and flight control, ground and airport operations and services, and Federal Aviation Agency regulations. Presents various kinds of aviation industry jobs and provides information on career opportunities and employability skills within the aviation industry.

Course Title: Introduction to Aviation Maintenance Technology

Grade Level: 9-12

Special Notes: This is a semester long course

Fee: \$25

Description: This course will prepare students for FAA certification as an aviation maintenance technician. Students will learn general aviation maintenance practices, principles and techniques as presented in the Aviation Technician Handbook, developed by the Federal Aviation Administration. Fundamentals of tool use and care, shop practices, maintenance forms and publications, shop and flight line safety will be taught. Students will explore awareness of ethics, professionalism, and human factors in the field of aviation.

Course Title: General Aviation I—Basic Electricity and Aviation Math

Grade Level: 10-12

Prerequisites: Intro to Transportation—Aviation and Intro to Aviation Maintenance Technology

Special Notes: This is a semester long course

Fee: \$25

Description: This course introduces students to electrical/electronic theory and its application on aircraft electrical systems for engine/airframe operation, avionics, and communications systems. Students will participate in a classroom lab to prove electrical theories and principles. Students will also be introduced to practical math applications as it applies to repair and maintenance, modifications, and inspections of aircraft in general.

Description: Course provides an understanding of the ideals, rights, and responsibilities of citizenship and an understanding of the content and history of the founding documents of the United States including the New Mexico and United States Constitutions and how governments function at the local, state, tribal, and national levels.

Course Title: Government AP (NCAA, AP Exam)

Grade Level: 12

Prerequisite: Grade of "B" or better in US History AND previous year's English class or Instructor Approval

Description: This year long course fulfills the both the Government and Economics graduation requirement. Course prepares students for the AP exam in U.S. Government and Politics. These courses provide students with analytical perspective on government and politics in the United States, involving both the study and general concepts used to interpret U.S. politics and the analysis of specific case studies. The course generally covers the following topics: constitutional underpinnings of U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties.

Course Title: NM History

Grade Level: 9

Special Notes: One semester course

Description: This course will examine the history and geography of New Mexico. Explores the major geographical features of New Mexico and how the state's unique features impact pattern of settlement. The course will focus on New Mexico History from statehood until the present.

Course Title: US History (NCAA)

Grade Level: 11

Description: Course examines the history of the United States from the Reconstruction era through the present time. Political, military, scientific, and social developments are included as part of historical analysis. Geography will be integrated in the course to demonstrate the importance of geographical concepts as they relate to changes throughout the United States. Course includes a brief survey of American History from colonization through the Civil War.

Course Title: US History AP (NCAA, AP Exam)

Grade Level: 11-12

Prerequisite: Grade of "B" or better in World History AND previous year's English class or Instructor Approval

Description: This course prepares students for the AP exam in US History and provides students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. Student learn to assess historical materials, and to weigh the evidence and interpretations presented in historical scholarship. The course examines time and periods from discovery and settlement of the New World through the recent past.

Course Title: World History (NCAA)

Grade Level: 10

Description: Course analyzes the major eras and important turning points in world history from the Renaissance to the present. Geography will be integrated in this course to demonstrate the importance of geographical concepts as they relate to changes throughout the world. Course includes a brief survey that covers the time periods before the Renaissance.

ELECTIVES

ATHLETICS

SPORTS PARTICIPATION - If a student begins in a specific sport and then quits that sport, the student will be transferred to an Off-Season conditioning class. Athletes will not be able to begin participation in another sport until the sport they quit has ended. If the student begins and quits a second sport in the academic year, he/she will not be allowed to participate in a third sport that year, but must remain in the Off-Season class. If a student elects to transfer out of Athletics at the end of the first semester, class change rules will apply and the student will not be allowed to transfer back to Athletics class during the current academic year. Eligibility requirements of the NMAA pertaining to age, residence, etc. must be met.

- ◇ PE/Baseball—Instructor Approval Required.
- ◇ PE/Basketball/Boys – Instructor Approval Required.
- ◇ PE/Basketball/Girls – Instructor Approval Required.
- ◇ PE/Football – Instructor Approval Required.
- ◇ PE/Soccer/Boys—Instructor Approval Required.
- ◇ PE/Soccer/Girls—Instructor Approval Required.
- ◇ PE/Softball – Instructor Approval Required.
- ◇ PE/Track/Boys – Instructor Approval Required.
- ◇ PE/Track/Girls—Instructor Approval Required.
- ◇ PE/Volleyball/Girls – Instructor Approval Required.
- ◇ PE/Cross Country—Instructor Approval Required

GENERAL ELECTIVES

Course Title: American Society
Grade Level: 10-12
Special Notes: One semester course; Pairs with Sociology
Description: This course emphasizes the study of practical law applications. The students will focus on constitutional law, criminal law and juvenile justice, civil law, and individual rights and liberties.

Course Title: Contemporary Issues
Grade Level: 10-12
Description: Course studies the political, economic, and social issues facing the United States and the world. This course will focus on current issues and their relationships with historical events.

Course Title: Health/9
Grade Level: 9, and other grades as needed for graduation
Description: The purpose of this course is to provide students with the knowledge and skills they need to live a life of personal health and fitness. The course will focus on personal fitness, decisions related to physical fitness, nutrition, social health, mental health, substance abuse, human sexuality, and disease prevention.

Course Title: Mentorship, Apprenticeship, Partnership, Service & Co-Op (MAPS)
Grade Level: 12; 11th in special circumstances only
Prerequisite: Permission of Instructor and with approved application.

Special Notes: This is a semester long course, paired with Greenhouse Management
Description: This course focuses on the floriculture industry including plant production, processing, marketing, and principles of floral design. Students may be involved in a simulated floral shop on the school grounds. Interior plantscaping may also be included in this course. Students have the opportunity to participate in National FFA Organization and are introduced to the organization as part of class. FFA dues are \$21 if student participates in FFA.

Course Title: Greenhouse Management
Grade Level: 11-12
Prerequisite: Science—Horticulture/Botany required
Fee: \$20 covers both this course and Floriculture
Special Notes: This is a semester long course, paired with Floriculture
Description: This course covers greenhouse/nursery operation and management. Plant propagation including grafting, budding, and layering. Students are often involved in the planning, management, and marketing associated with the school greenhouse/nursery. Students have the opportunity to participate in National FFA Organization and are introduced to the organization as part of class. FFA dues are \$21 if student participates in FFA.

AUTOMOTIVE

PATHWAY COURSES

Course Title: Auto Tech I
Grade Level: 9-12
Fee: \$25
Description: This course is primarily intended as a personal automobile technician course, but also designed for students exploring future careers in automotive technologies. Introduction to Automobiles courses offer an introduction to the various mechanical systems in automobiles and basic experience in maintenance tasks. The course may also cover career opportunities in the auto and/or transportation field. Semester one students will learn safety, tool usage and engine theory; while disassembling, reassembling and operating single cylinder 4-stroke engine. Semester two students will learn troubleshooting, repair, and preventative maintenance of multi-cylinder 4-stroke engines, and a variety of outdoor power equipment.

Course Title: Auto Tech II
Grade Level: 10-12
Prerequisite: Auto Tech I
Fee: \$25
Description: This is a second sequential course in an automotive program of study meant to take a student into higher level knowledge and skills development. This class will teach safety, precision measurement, tool & shop equipment use, and certification standards of the automotive industry. Semester one students will learn multi-cylinder engine theory while disassembling, reassembling and operating 4, 6 and 8 cylinder engines. Semester two students will learn troubleshooting, repair, and preventative maintenance of multi cylinder engines; to include intake, exhaust, and engine management system.

Course Title: Auto Tech III
Grade Level: 11-12
Prerequisite: Auto Tech II
Fee: \$25
Description: This is a third sequential course in an automotive program of study meant to take a student into higher level knowledge and skills development. This class will teach safety, professional communication, and certification standards of the automotive industry. Semester one

Description: The focus of this course is on the science of plants (botany). Specific topics include, photosynthesis and respiration, analysis of the difference of plant and animal cell structure, genetics, taxonomy, and classification. Also included are topics covering entomology, soil chemistry, and plant diseases, virus and bacterial life cycles and effects on plant growth. Focus is on horticultural crops including greenhouse, landscape, and floral plants. Students have the opportunity to participate in National FFA Organization and are introduced to the organization as a part of the class. FFA dues are \$21, if student participates in FFA. **Class counts as a science credit.**

Course Title: Science of Large Agriculture Animals

Grade Level: 10-12

Prerequisite: Introduction to the Science of Agriculture strongly encouraged

Fee: \$20 covers both this course and Science of Small Animals

Special Notes: This is a semester long course, paired with Science of Small Animals

Description: Course imparts information about the care and management of domesticated animals. Animal nutrition, health, reproduction, genetics, facilities, and marketing are all possible topics as well as the study of anatomy and physiology of livestock and other domesticated animals. Examination of developmental stages and analysis of feed ration for different parts of an animal's life cycle. Identification of environmental factors that affect an animal's performance, and recognition of animal behaviors to facilitate working with animals safely. Students have the opportunity to participate in National FFA Organization and are introduced to the organization as a part of the class. FFA dues are \$21, if student participates in FFA. **Class counts as a science credit.**

Course Title: Science of Small Animals

Grade Level: 10-12

Prerequisite: Introduction to the Science of Agriculture strongly encouraged

Fee: \$20 covers both this course and Science of Large Agriculture Animals

Special Notes: This is a semester long course, paired with Science of Large Agriculture Animals

Description: Course imparts information about the care and management of domesticated animals. Animal nutrition, health, reproduction, genetics, facilities, and marketing are all possible topics as well as the study of anatomy and physiology of livestock and other domesticated animals. Examination of developmental stages and analysis of feed ration for different parts of an animal's life cycle. Identification of environmental factors that affect an animal's performance, and recognition of animal behaviors to facilitate working with animals safely. Specific focus of this course is on small animals including rabbits, fowl, dogs, and cats. Students have the opportunity to participate in National FFA Organization and are introduced to the organization as a part of the class. FFA dues are \$21, if student participates in FFA. **Class counts as a science credit.**

Course Title: Veterinary Science

Grade Level: 11-12

Prerequisite: Science of Large Agriculture Animals and Science of Small Animals required

Fee: \$20

Description: This course will promote career and post-secondary readiness by providing opportunities to develop knowledge and demonstrate skills in the area of Veterinary Science. Subject matter areas include, animal behavior, medical terminology, health records, anatomy and physiology, as well as patient and facility care. Students have the opportunity to participate in National FFA Organization and are introduced to the organization as part of class. FFA dues are \$21 if student participates in FFA.

Course Title: Floriculture

Grade Level: 11-12

Prerequisite: Science—Horticulture/Botany required

Fee: \$20 covers both this course and Greenhouse Management

Fee: \$10 District Insurance Liability

Description: The Mentorship program is designed to provide students with a job-oriented learning experience which will better prepare individuals for life and work skills upon graduation. These on-the-job experiences provide students the opportunity to explore possible areas of career interest with hands-on experience in business, community agencies, and elementary schools. Students are responsible for locating a mentor or partner. Students must have their own reliable transportation. Employers will be required to fill out monthly evaluations. Students must complete assignments by deadlines. Assignments will assist students in preparing for college and career.

Course Title: Reading Mentorship/Community Service

Grade Level: 11-12

Prerequisite: Instructor Approval Required

Description: The Reading Mentorship Program pairs students from AHS with local elementary school students to assist with improving elementary students' reading success and provide a way for high school students (mentors) to give back to their community. The program is specific to improving reading and follows a program that asks mentors to design lessons to support their mentees individualized reading needs. Whether you love reading or struggle in reading, this program will greatly benefit you and your community. Students must be willing to contribute two class periods each day (worth 2 credits), have an excellent attendance record, provide teacher recommendations, provide their own reliable transportation, and complete an application/interview process in order to participate in this elite program. Scholarship opportunities are available for students completing the Reading Mentorship course.

Course Title: Mock Trial

Grade Level: 9-12

Description: Students participate in rehearsed trials to learn about the legal system in a competitive manner. Teams will compete at the state and possibly national level. Students will learn about rules of evidence, criminal/civil law, and trial advocacy skills. This course is reading and writing intensive and will help prepare students for career in law.

Course Title: PE/Aerobic Fitness

Grade Level: 10-12

Fee: \$15, for uniform

Description: This course gives the student opportunity to enhance cardiovascular endurance, flexibility, body composition, muscular strength, and endurance through high/low impact aerobics. Activities such as weight training, circuit training, step aerobics, Zumba, yoga, Pilates, and cardio-kickboxing will be included. The curriculum will develop the basics of personal, life-long nutrition and wellness.

Course Title: PE/Fitness Fundamentals

Grade Level: 9-12

Fee: \$15, for uniform

Description: Students will engage in all forms of exercise to improve personal aerobic fitness, body composition, and overall fitness. Forms of exercise include walking, jogging, plyometrics, weight lifting, circuit training, and resistance training, etc.

Course Title: PE/Fitness Walking

Grade Level: 11-12

Special Notes: Signed parental permission is required to be able to walk off campus.

Fee: \$15, for uniform

Description: This course will help the student develop a personal fitness walking program to strengthen the cardiovascular system. Exercises to improve muscular strength and endurance, flexibility, and core strength will be included. The student will walk a minimum of 3 miles per day.

Course Title: PE/Total PE
Grade Level: 9-12
Fee: \$15, for uniform
Description: Students will be engaged daily in individual sports, team sports, and all aspects of physical fitness. Students will develop team concepts, gross motor skills, and personal physical fitness.

Course Title: PE/Weight Training and Fitness
Grade Level: 11-12
Fee: \$15 for uniform
Description: Designed for students who want to enhance strength and overall fitness through weight training. Students will learn proper technique in weight training while also increasing cardiovascular fitness through a variety of physical activities. Course curriculum will develop life long skills for weight training and personal fitness.

Course Title: Poetry
Grade Level: 10-12
Prerequisite: Grade of "B" or better in most recent English course
Description: This course is a creative writing class that covers the basics of form and technique of poetry starting out with a look at what poetry is and then travelling through several different forms, including one word poems, haiku, sonnet, and more. Students will take part in reading the classics and creating their own poems. This is a great introduction to a college creative writing class.

Course Title: Psychology AP (AP)
Grade Level: 11-12
Prerequisite: Grade of "B" or better in most recent English course AND Biology.
Description: This college-level course explores the major schools of psychology, important theorists and researchers, and famous experiments that shaped the modern understanding of human thought and behavior. Students are expected to read, think, and write extensively to prepare them for the optional AP exam at the end of the course. Students who score a 3, 4, or 5 on the AP exam may receive college credit for this course.

Course Title: SAT/ACT Prep
Grade Level: 10-12
Special Notes: One semester course; Course may NOT be retaken.
Description: Course helps prepare students for national standardized tests such as the SAT and ACT. This course seeks to develop and/or expand students' vocabulary, test taking, and reasoning skills through study, lecture, and practice drills. Course topics may include vocabulary review, root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem solving and test taking strategies.

Course Title: Sociology
Grade Level: 10-12
Special Notes: One semester course; Pairs with American Society.
Description: Course introduces students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships of individuals and groups in society.

Course Title: Student Success
Grade Level: 9-12
Prerequisite: By teacher or counselor referral only.
Description: This class is designed to help all students stay in school and develop skills to achieve their life, school, and career goals. An individualized curriculum will focus on academic skills and appropriate behavior in and out of school through study/organization/communication skills,

Description: Course emphasizes skill development that will enable students to author, edit, debug, evaluate, and publish web pages on a server. The basics of planning and creating web pages, using text editors, and HTML editors, selecting and adding images, choosing background colors, creating active internal and external links, and adding lists and testing pages created are also covered.

Course Title: Basic Programming
Grade Level: 11-12
Fee: \$15
Description: Course provides the opportunity to gain expertise in computer programs using the BASIC language. A general computer programming course with the emphasis on how to structure and document computer programs, and how to use problem solving techniques. As students advance, they learn to capitalize on the features and strengths of the BASIC language (loops, subscripted variables, and sequential and random access data files) and to place more emphasis on clarity and efficiency.

SCHOOL OF ENERGY, ENVIRONMENTAL, & TRANSPORTATION TECHNOLOGY

AGRICULTURE

PATHWAY COURSES

All Industrial & Agricultural Classes have requirements that apply across the board regardless of the particular class: 1. Enrollment may be restricted due to safety and workstation limitations. 2. Some courses have a significant book component.

Course Title: Introduction to the Science of Agriculture
Grade Level: 9-12
Description: The local, national, and global definitions, history, and scope of agriculture in society is covered in this course. It also covers plant and animal sciences, production and processing, agricultural mechanics, including tool and machine operation, business and natural resource management, management of food and fiber systems, soil characteristics, formation, and properties, and development of leadership and communication skills. Students have the opportunity to participate in National FFA Organization and are introduced to the organization as a part of class. FFA dues are \$21, if student participates in FFA.

Course Title: Agricultural Leadership/Communication
Grade Level: 10-12
Prerequisite: Intro to the Science of Agriculture
Description: This course is designed to strengthen students' personal and group leadership skills. Topics such as public speaking, effective communication, human relations, parliamentary law, and group dynamics are covered. Also covered is the development of Programs of Activity, and Service Learning projects, including student development, chapter development, and community development. Students have the opportunity to participate in National FFA Organization and are introduced to the organization as a part of the class. FFA dues are \$21, if student participates in FFA.

Course Title: Science—Horticulture and Botany
Grade Level: 10-12
Prerequisite: Introduction to the Science of Agriculture strongly encouraged
Fee: \$20

Course Title: Spanish III (NCAA)
Grade Level: 11-12
Prerequisite: C or above in Spanish II
Description: This course offers a more thorough knowledge of the language. Important principles of grammar are reviewed and expanded, and new grammatical elements are introduced. This course utilizes the textbook "Realidades 3" which immerses students in everyday situations with native speakers and introduces the cultures, accents, and dialects of Mexico, Spain, Argentina, and Puerto Rico.

Course Title: Spanish AP (NCAA, AP Exam)
Grade Level: 11-12
Prerequisite: "B" or above in Spanish III, or "B" or above on the placement test.
Description: The AP Spanish language course offers students the opportunity to achieve a high level of ability in all four skills (listening, reading, speaking and writing). This course is comparable to a third-year university course with emphasis on conversation and composition. Students who take the AP College exam may receive college credit. Students will cover reading, writing, listening, and speaking, and will develop in depth Spanish grammar, and literature from different genres, time periods, and cultures. This course utilizes the textbook and ancillaries "Abriendo Paso: Temas y Lecturas," "Abriendo Paso Gramatica," and the "AP Spanish Workbook" in preparation for the Language Examination, and other real sources that the teacher will provide like newspapers and magazine articles. In this course the student will be exposed to literary works about the many different kinds of communities that make up contemporary America and about countries and cultures throughout the world, with emphasis on Latin America, the Southwest (USA) and Spain.

SCHOOL OF COMMUNICATION AND INFORMATION SYSTEMS

INFORMATION TECHNOLOGY

PATHWAY COURSES

Course Title: Basic Computers/Computer Literacy
Grade Level: 9-12
Fee: \$10
Description: Course introduces the computer and peripheral devices, the functions and uses of computers, the language of the computer industry, possible applications, and occupations related to computer hardware and software. Legal and ethical issues may be explored, as well as the effect of the computer on modern society. Performance of some computer operations may be required.

Course Title: Microsoft Office Applications
Grade Level: 10-12
Fee: \$10
Description: The student becomes proficient in the use of Windows and computer software programs including word processing (i.e. Microsoft Word), databases (i.e. Microsoft Access), spreadsheets and charts (i.e. Microsoft Excel), presentation (i.e. Microsoft PowerPoint), and desktop publishing (i.e. Microsoft Publisher) as well as the Internet and basic web design. The student becomes competent in workplace skills and is prepared for employment or advanced training.

Course Title: Web Page Design
Grade Level: 11-12
Fee: \$15

resiliency training, anger management, tutoring, job preparation, economic independence, interview skills, etc. This class will receive the benefit of one-on-one case management and referrals as needed.

Course Title: World Mythology
Grade Level: 10-12
Prerequisite: Grade of "C" or better in most recent English course
Description: This course is a look at mythology from around the world. We will start by looking at the basics of myth and legend, from archetypes to the hero's journey. Then we will cover mythology from all over, including Greece, Northern Europe, America, England, and France. Students will participate in analyzing and creating myths.

GRADS

GRADS is coursework which addresses decision-making, self-esteem, relationships, youth development/service learning, economic independence, parenting, and child development for pregnant and parenting teens. Individual projects address identified deficiencies/needs of both generations.

COURSES

Course Title: GRADS I – Expectant Teens
Grade Level: 9-12
Prerequisite: Student must be an expecting parent to enroll; Requires referral or doctor's note
Description: A course designed for the expecting teen mother or father. Topics may include: Surviving teen pregnancy, the importance of prenatal care, prenatal development, birth and delivery, healthy eating habits, substances and chemicals to avoid, fetal alcohol syndrome, goal setting, decision-making, staying in school, communicating with your partner and his/her family, economic independence and resources for teen parents. GRADS also utilizes additional curricula to reinforce topics and address domestic violence, legal issues pertaining to teen parents, child abuse, transitioning to postsecondary school, and how to get and keep a meaningful job. Case management is an integral part of this course.

Course Title: GRADS II – Teen Parenting
Grade Level: 9-12
Prerequisite: Student must be a parenting teen to enroll.
Description: A course designed for the teen that is parenting a newborn baby or has a child 1-3 years old. Topics may include: Goal setting, decision making, time management, child development, brain development, bonding, potty training, discipline, child support, selecting a child-care center, nutrition, medical attention, economic independence, career planning, job portfolios, healthy relationships, family planning, custody rights, and three-generational living. Case management is an integral part of this course.

Course Title: GRADS III
Grade Level: 10-12
Prerequisite: GRADS II is a co-requisite and instructor approval is required.
Description: This course builds upon the foundation and delves deeper into those topics plus healthy relationships, career enhancement, parenting of a toddler, peer presentations, learning and personality styles, and employability skills.

CAREER TECH COURSES

SCHOOL OF ARTS & ENTERTAINMENT

3D ART (3D)

PATHWAY COURSES

Course Title: Art 3D Design I
Grade Level: 9-12
Fee: \$20
Description: Study in 3D hands-on techniques. Students will work with a variety of media including paper, and clay.

Course Title: Art 3D Design II
Grade Level: 10-12
Prerequisite: Art/3D Design I or Instructor Approval
Special Notes: Student must provide some of their own supplies.
Fee: \$20
Description: This course will introduce the student to advanced techniques using a variety of media. This course emphasizes continuing knowledge in paper, clay, and mixed media for disciplined students.

Course Title: Art 3D Design III
Grade Level: 11-12
Prerequisite: Art 3D Design II or Instructor Approval
Special Notes: Student must provide some of their own supplies; two period course
Fee: \$20
Description: This course covers advanced studies in 3D design. Students will work on an individual basis only. This course is for serious art students only.

Course Title: Art 3D Design AP (AP Exam)
Grade Level: 11-12
Prerequisite: Samples of work and Instructor Approval Required
Special Notes: Students are required to provide extra materials/supplies; two period course
Fee: \$20
Description: This course is for serious art students only. Design involves purposeful decision-making about using the elements and principles of art in an integrative way. In the 3-D Design Portfolio, students will demonstrate their understanding of design principles as they relate to depth and space. These issues can be explored through additive, subtractive and/or fabrication processes. Examples of approaches include figurative or nonfigurative sculpture, architectural models, ceramics and three-dimensional fiber arts, among others.

ART

PATHWAY COURSES

Course Title: Art I/Drawing
Grade Level: 9-12
Fee: \$15
Description: This course will introduce students to the principles of drawing that focus on basic visual elements (line, shape, color, value, texture and space), with some exploration of the principles of design. Mediums explored include pencil, charcoal, pastel, ink, mixed media, etc.

Description: This is an introductory course for students with no prior knowledge of the German language. Instruction concentrates on the acquisition of basic listening, speaking, reading and writing skills. A basic vocabulary will enable the student to engage in basic conversations and situational dialogues. A geography capsule will provide physical and cultural geography of Germany and other German speaking nations, including customs, dress, food and everyday life of the people. Primary readers will be implemented at the inception of the second semester to increase vocabulary extraneous to the textbook and to practice and develop better comprehension skills.

Course Title: German II (NCAA)
Grade Level: 10-12
Prerequisite: Successful completion of German I
Description: This course continues with basic vocabulary and structures in order to strengthen basic communication skills on an intermediate level. There is an emphasis on oral proficiency, and increased stress on spontaneous use of the language through communicative activities and situational dialogs. The intermediate level of communication must include the ability to speak interchangeably between the present and past tense. Students will begin reading secondary readers and short stories from selected books for further vocabulary enhancement and improvement of comprehension skills. Continuation of culture and history of Germany will be implemented in reading materials.

Course Title: German III (NCAA)
Grade Level: 11-12
Prerequisite: Successful completion of German II
Description: This class continues with new vocabulary and grammar to strengthen communication on a more advanced level. Written activities, group performances, and the readings of short stories will be implemented. Introduction of "Schau ins Land" will be introduced for more complicated aural comprehension and further enhancement of culture.

Course Title: German AP (NCAA, AP Exam)
Grade Level: 11-12
Prerequisite: Successful completion of German III
Description: The course will cover novels, plays, and other literature to further students' understanding of the German language. We will look closer at German culture and people and focus on more intensive German writing, reading, and speaking. This course will prepare students to take the German AP test which, if they pass, will result in receiving a college credit.

Course Title: Spanish I (NCAA)
Grade Level: 9-12
Description: This is an introductory course for students for the Spanish language. Instruction concentrates on the acquisition of basic listening, speaking, reading and writing skills. A basic vocabulary will enable the student to engage in basic conversations, provide and obtain basic physical and cultural geography of the Spanish speaking world, including customs, dress, food and everyday life of the people.

Course Title: Spanish II (NCAA)
Grade Level: 10-12
Prerequisite: Spanish I
Description: This course continues with basic vocabulary and structures in order to strengthen basic communication skills in functional contexts. There is an emphasis on oral proficiency, and increased stress on spontaneous use of the language through communicative activities and situational dialogues. This course utilizes the textbook "Realidades 2" which immerses students in everyday situations with native speakers and introduces the cultures, accents, and dialects of Mexico, Spain, Argentina, and Puerto Rico.

BUSINESS MANAGEMENT AND ADMINISTRATION

PATHWAY COURSES

Course Title: Introductory Business
Grade Level: 9-12
Fee: \$10
Description: Course 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; and may provide a brief overview of the American economic system and corporate organization. In addition, this course may expose students to the varied opportunities in secretarial, accounting, management, and related fields.

Course Title: Business and Marketing
Grade Level: 10-12
Fee: \$20
Description: This course explores the world of business and marketing. Curriculum will focus on the skills, knowledge, and attitudes demanded by employers in the workplace. Students will study economics, marketing, and basic accounting concepts. Emphasis will be placed on business computer applications including word processing, spreadsheets, and databases. Students will have the opportunity to demonstrate knowledge of retail merchandizing, customer service, and working with a team by participating in the operation of a school-owned student operated snack bar and classroom projects. Student participation in related co-curricular vocational student organizations, DECA and BPA, is strongly encouraged.

Course Title: Business Ownership and Management Entrepreneurship
Grade Level: 10-12
Fee: \$20
Description: Course acquaints students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content; economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Course Title: Personal and Business Finance
Grade Level: 11-12
Fee: \$20
Description: Course covers fundamental concepts of personal financial management to include insurance, budgeting, credit, savings, investments, home financing, retirement, and estate planning, and consumer debt management. Finance relating to problems, methods, and policies in financing business enterprise are also covered.

FOREIGN LANGUAGES

A language other than English is NOT required for graduation from high school. However, most four year colleges have an entrance requirement of 1 or 2 years of the same language.

PATHWAY COURSES

Course Title: German I (NCAA)
Grade Level: 9-12

Course Title: Art II/Painting
Grade Level: 10-12
Prerequisite: Art I/Drawing
Fee: \$20
Description: This course will introduce student to basic painting, while focusing on principles of drawing using a multitude of painting mediums. This course expands and enhances developing skills, stressing sound draftsmanship and various strategies for personal exploration. Mediums include watercolors, acrylics, oils, collage, and mixed media.

Course Title: Art III/Advanced
Grade Level: 11-12
Prerequisite: Art II/Painting or Instructor Approval
Fee: \$20
Description: This course is an advanced art course exploring students' individual interests leading to the development of a body of work representing a concentration area. The student will create a slide portfolio documenting individual progress.

Course Title: Art Studio 2D Design AP (AP Exam)
Grade Level: 11-12
Prerequisite: Samples of work and Instructor Approval required.
Special Notes: Students are required to provide extra materials/supplies.
Fee: \$20
Description: This course is for serious art students only. Design involves purposeful decision-making about using the elements and principles of art in an integrative way. In the 2-D Design Portfolio, students will demonstrate their understanding of design principles as applied to a two-dimensional surface. The principles of design will be articulated through the visual elements. Any 2-D process or medium may be used, including, but not limited to graphic design, digital imaging, collage, fabric design, printmaking, illustration, painting, etc.

Course Title: Art Studio Drawing AP (AP Exam)
Grade Level: 11-12
Prerequisite: Samples of work and Instructor Approval required
Special Notes: Students are required to provide extra materials/supplies.
Fee: \$20
Description: This course is for serious art students only. The Drawing portfolio is intended to address a wide range of approaches and media. Line quality, light and shade, rendering a form, composition, surface manipulation, the illusion of depth and mark-making are drawing issues that will be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract, observational and inventive works will also be addressed in this class.

AUDIO/VISUAL TECHNOLOGY

PATHWAY COURSES

Course Title: Introduction to Film Production
Grade Level: 9
Prerequisite: Grade of "C" or better in previous English course; basic computer skills preferred.
Fee: \$15
Description: Introduction to film production is a text and hands-on curriculum that presents a variety of skills and responsibilities found within film production careers. Classroom introduction of communications technologies as applied in pre-production, production, and post-production areas of filmmaking. Scriptwriting and story-boarding skills are emphasized. **Students in 9th with no prior creative media background are eligible.**

Course Title: Film Production I
Grade Level: 10-12
Prerequisite: Grade of "C" or better in previous English course; basic computer skills preferred.
Fee: \$15
Description: Film Production I is a hands-on introduction to communications through the use of classroom technology and skills applications in creative media with an emphasis on the elements of audio and film production.

Course Title: Film Production II/Advanced
Grade Level: 11-12
Prerequisite: "C" or better in Beginning Film Production, a grade of "C" or better in previous English class, and instructor approval.
Fee: \$15
Description: Film Production II encompasses the same camera and video equipment and industry software video editing skills as utilized in previous coursework. Advanced students will conceptualize and create more advanced film projects from pre-production through editing and post-production. Course culminates with student film competition. Course offers audio-video communications production opportunities with related community businesses. Students in 10th, 11th, and 12th grade, meeting pre-requisites (which includes instructor approval) are eligible.

PERFORMING ARTS

BAND

Two hours of night practice once per week and four before-school rehearsals will be required for students enrolled in band classes. Daily marching band rehearsals will include teaching of drill and rehearsal for shows and marching contests. During concert season Wind Ensemble, Symphonic Band and will rehearse, as needed before school, as separate ensembles in preparation for concerts and festivals. For the second semester, band students will audition for Symphonic Band or Symphonic Wind Ensemble. This will be done by audition only.

There is a cleaning fee for uniforms and a rental fee if using school instrument.

Near the end of the spring semester all AHS band students will audition for the following spring concert bands. **Band will count as a PE credit toward graduation.**

Course Title: Color Guard/Winter Guard
Grade Level: 9-12
Fee: \$100
Prerequisite: Audition required, but no prior experience required.
Description: This class incorporates equipment and dance choreography into the marching band field show. During the spring semester, this group becomes Winter Guard and creates a completely different indoor show for competition. Attendance at additional rehearsals and performances is required.

Course Title: Band/Jazz Ensemble I
Grade Level: 9-12
Prerequisite: Audition required and must be in marching band/concert band
Fee: See Course Instructor
Description: Jazz Ensemble is a performance based class. Improvisation, jazz theory, and traditional jazz ensemble technique will be the focus of this class. The band may perform at concerts,

Junior ROTC courses **DO NOT** obligate a student neither to participate in college ROTC nor to enlist in the military. **Junior ROTC is a citizenship program. Junior ROTC does count as a PE credit.**

PATHWAY COURSES

Course Title: AFJROTC I
Grade Level: 9-12
Special Notes: Participation in summer orientation is encouraged but not required.
Fee: \$60
Description: This course is the first of the basic courses required before taking any future ROTC courses. The student will learn basic military structure, drill and ceremonies and proper wear of the military uniform. The student will also complete the basic first year leadership course to include traditions, self-control, citizenship, financial responsibility and wellness. The student will complete a course on the history of aviation, which includes origins and growth, the World Wars, the Cold War, humanitarian efforts, Desert Storm, Kosovo and ends with Enduring Freedom. One class per week will be dedicated to Wellness training.

Course Title: AFJROTC II
Grade Level: 10-12
Prerequisite: SASI/ASI permission may be required; ASI or JROTC I (other service)
Fee: \$20
Description: The student will continue to become proficient in drill and ceremonies and will complete a course on intercommunication skills to include writing, speaking, listening, individual and group behavior, leadership and teamwork. The student will complete a course on the science of flight, which includes weather, physiology, aeronautics, power plants and navigation. (May alternate this section of the course with the third year course). One class per week will be dedicated to Wellness training.

Course Title: AFJROTC III
Grade Level: 11-12
Prerequisite: SASI/ASI permission may be required; ASI and ASII or ROTC II (other service)
Fee: \$20
Description: The student will now master drill and ceremonies and complete a course on life skills which includes career choice and opportunities, job search and financial planning. The cadet will complete a course on the exploration of space, which includes definitions, exploration, environment, orbits, maneuvering, travel, engineering, systems and operations. (May alternate this section of the course with the second year course). One class per week will be dedicated to Wellness training.

Course Title: AFJROTC IV
Grade Level: 11-12
Prerequisite: SASI/ASI permission required; ASI, ASII, ASIII or ROTC III (other service)
Fee: \$20
Description: The student will specialize in managing the corps. The student will complete a course in principles of management, which includes techniques, decisions and functions. The student will continue to manage the corps and may also complete a survey course in geography and a basic course in aircrew survival. One class per week will be dedicated to Wellness training.

Description: Over the course of the school year students will learn and apply the basic journalism, photojournalism, and graphic design skills required to produce the current yearbook. The publication strives to maintain a tradition of excellence in which the school and the community can take pride. Students will communicate in a variety of forms for a variety of audiences and purposes. Students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English and journalism style. Students will learn how to work as a member of a team to produce yearbook pages. Students will have access to digital cameras and a computer lab and will learn the laws and ethical considerations that impact journalism and photojournalism.

Course Title: Yearbook II
Grade Level: 10-12
Prerequisite: Grade of "C" or better in Yearbook I and Instructor Approval is required for all students.
Special Notes: This course is available as a single or double elective.
Description: Students will build on the journalism, photojournalism, graphic design, and writing skills taught in Yearbook I. Students will also receive leadership training and have an opportunity to take on leadership roles as they help produce the current yearbook. Students will be considered for the roles of editor, managing editor, and team leader. Units of study include teamwork, responsibility, editing, yearbook campaigns, advertising, and distribution. Students will be required to complete a portfolio of their best work. Class size is limited.

Course Title: Yearbook III
Grade Level: 11-12
Prerequisite: Grade of "C" or better in Yearbook II and Instructor Approval is required for all students.
Special Notes: This course is available as a double elective.
Description: Students will build on the skills taught in Yearbook II and will be assigned leadership roles as they help produce the current yearbook. Students will be expected to fill one of the following leadership roles: editor, managing editor, or team leader. Units of study include teamwork, responsibility, leadership, editing, yearbook campaigns, advertising, and distribution. Students will be required to complete projects outside of class time and will submit a final project portfolio that features their best work from all three years they have been in the class. Class size is limited.

SCHOOL OF BUSINESS SERVICES

AFJROTC

ALL AFJROTC CLASSES have requirements that apply across the board regardless of the particular class. Each student upon enrolling the first time is required to pay a course fee of \$60.00 for the purchase of personal items not supplied by the Air Force. Each additional year, students will pay a \$20 course fee. The Air Force provides all required non-personal uniform items at no cost. The student is required to return all government property. Their account is cleared when the student turns their uniform in, **professionally cleaned**, returns all books and equipment, and leaves ROTC either through graduation or withdrawal from the program. Students are required to meet **ALL** standards of military dress and appearance as well as adhere to **ALL** standards of military behavior, discipline and courtesy. Students are **REQUIRED** to wear the designated uniform at least once each week for the entire school day and will be inspected in that uniform. Students are also **REQUIRED** to complete 9 hours of community service in order to complete each course. Students will **NOT** smoke while in uniform. Successful completion of four semesters earns a certificate allowing advanced enlistment into the armed services. Successful completion of six semesters earns a certificate allowing further advanced enlistment or allows the college ROTC cadet to bypass the first year of college ROTC with approval of the Professor of Aerospace Studies.

participate in festivals, and other community events. Attendance at additional rehearsals and performances is required.

Course Title: Band/Jazz Ensemble II
Grade Level: 9-12
Prerequisite: Audition required and must be in marching band/concert band
Director signature required on elective form.
Fee: See Course Instructor
Description: Jazz Ensemble is a performance based class. Improvisation, jazz theory, and traditional jazz ensemble technique will be the focus of this class. The band may perform at concerts, participate in festivals, and other community events. Attendance at additional rehearsals and performances is required.

Course Title: Marching Band (Fall Semester)
Grade Level: 9-12
Prerequisite: Audition required and must have prior band experience
Director signature required on elective form.
Fee: \$100
Description: Students are required to participate in all performances, such as football games, parades, parent meetings, festivals, and other town events. Students will study music and marching fundamentals culminating in the presentation of a field show. Students are required to attend Summer Band Camp in July prior to the beginning of school. Additional rehearsals include: Zero Hour (before school starts) and two night rehearsals per week. Attendance at additional rehearsals and performances is required.

Course Title: Symphonic Band (Spring Semester)
Grade Level: 9-11
Fee: See Instructor
Prerequisite: Audition required
Director signature required on elective form.
Description: Students will present concerts and participate in the district festival. Students will study music from all style periods for winds and percussion, work fundamentals of music, instrument-specific technique, and sight-reading skills. Audition material will be made available during end of Spring Semester. Attendance at additional rehearsals and performances is required. All freshman are required to take this course the first year regardless of experience.

Course Title: Wind Ensemble
Grade Level: 10-12
Fee: See Instructor
Prerequisite: Audition required, but no prior experience required.
Director signature required on elective form.
Description: Students will present concerts and participate in district festival/state festival. Students will study music from all style periods for winds and percussion, fundamentals of music, instrument-specific technique, and sight-reading skills. Audition material will be made available during end of Spring Semester. This group is considered the premier ensemble in the band program and will learn advanced literature. All seniors will be put in this class depending on instrumentation.

CHOIR

Course Title: Choir/Beginning Treble Choir
Grade Level: 9-12
Fee: \$20; Uniform supplied when fee is paid in full.
Description: Class designed for beginning high school singers and upcoming 9th graders. It explores

skills unique to music and various genres of music as well. Four performances per year are required.

Course Title: Choir/Chamber
Grade Level: 9-12
Prerequisite: Some previous singing experience, but not necessary - may enter by audition or middle school recommendation.
Fee: \$20; Uniforms supplied when fee is paid in full.
Description: This is an advanced level mixed choir course. This course includes an advanced repertoire of 4-8 part SATB and SAB music of various genres. The student will perform in four concerts during the school year plus district and often state competition as well as school and community functions, competitions and festivals. Some extra rehearsals required

Course Title: Choir/Elite
Grade Level: 11-12
Prerequisite: One-two years of previous choir experience. **Enrollment is by audition and Instructor Approval only.**
Special Notes: Requires extra performances and rehearsals.
Fee: \$20; Uniforms supplied when fee is paid in full.
Description: Students will sing varied vocal repertoire for community, school, concerts, and competitions. Extra performances and rehearsals are required as well as the four regular concerts each year. Level 3-5 music of various genres is performed at various events. Many community opportunities such as Chamber of Commerce events, AHS Ball games, Bataan Death March, etc. are included in the performance schedule for the choir.

ORCHESTRA

Course Title: Orchestra/Concert
Grade Level: 9-12
Prerequisite: Minimum of 3 immediately prior years enrollment **AND** instructor approval.
Description: Performance class with repertoire encompassing compositions written for large string or full orchestras.

JOURNALISM

PATHWAY COURSES

Course Title: Creative Writing I
Grade Level: 10-12
Special Notes: This class does **NOT** satisfy an English requirement for graduation.
Description: Students will be introduced to the self-discipline it takes to be a writer and are required to keep a writing journal. Students will also be introduced to the fundamentals of creative writing through practice in multiple genres. Through frequent writing exercises, participants will develop such writing resources as voice, imagery, characterization, dialogue and narration. Students will write several genres over the course of the class, including short story, poetry, creative nonfiction and genre fiction. Students will have their writing critiqued by their peers and the instructor.

Course Title: Creative Writing II
Grade Level: 11-12
Prerequisite: Grade of "C" or better in Creative Writing I
Special Notes: This class does **NOT** satisfy an English requirement for graduation.
Description: Students will build upon the writing skills they were introduced to in Creative Writing I. This course is designed to guide students in creative writing through experience in three genres:

short story, poetry, and creative nonfiction. The course includes analysis of literary models (professional writings in each genre), individual and class criticism of work in a workshop mode, and lecture on and discussion of literary techniques in each genre. Students will complete a writing portfolio and the instructor will also examine work individually with students during conferences. The writing portfolio will include three short stories, two works of nonfiction, and four poems. Students will have their writing critiqued by their peers and the instructor.

Course Title: Creative Writing III
Grade Level: 12
Prerequisite: Grade of "C" or better in Creative Writing II
Special Notes: This class does **NOT** satisfy an English requirement for graduation.
Description: In this course, students will continue to improve their writing ability, add to their writing portfolio, and produce works to submit for publication. The writing portfolio will include six short stories, four works of nonfiction, and eight poems. Students will be required to submit a minimum of four works for publication over the course of the school year. Students will be encouraged both to "write from instinct" and to begin deliberately cultivating a style and identifying personal influences. Students will learn how to produce short stories, poems, and works of creative nonfiction on a deadline. Students will also meet with the instructor and give input into the writing genres they wish to focus on over the course of the school year. Students will have their writing critiqued by their peers and the instructor.

Course Title: Photojournalism/Graphic Design I
Grade Level: 10-12
Special Notes: Students are **NOT** required to have their own digital camera, but it would be helpful. Class size is limited.
Description: Students taking this course gain experience photographing people and events as well as learn the basics of print media graphic design. Students will learn basic photo techniques such as composition, lighting, angles, framing and center of interest, and will have access to digital cameras to complete hands-on projects. Students will also practice setting up newspaper and yearbook page layouts and selecting the photos that best fit the headlines and illustrate the stories. Students will learn how to write photo captions and study the laws and ethical considerations that impact photography and photo manipulation. Students will have access to a computer lab and learn how to manipulate digital photos, text and layout design using Adobe Photoshop and InDesign. Students will produce creative ads, yearbook spreads, newspaper layouts, brochures, and flyers utilizing publishing applications.

Course Title: Photojournalism/Graphic Design II
Grade Level: 11-12
Prerequisite: Grade of a "C" or better in Photojournalism/Graphic Design I
Special Notes: Students **ARE** required to have their own digital camera to take this class. Class size limited.
Description: Students will continue to build upon the photojournalism and graphic design skills they learned in Photojournalism/Graphic Design I and must have access to their own digital camera. Students will have access to a computer lab and learn more about advanced techniques of photo manipulation, text, and layout design using Adobe Photoshop and InDesign. Students will apply the photojournalism skills they learned to complete photo assignments outside of class and submit their work for publication. Students will complete a photo essay over the course of the school year and will be required to submit a portfolio of their photography and graphic designs.

Course Title: Yearbook I
Grade Level: 9-12
Prerequisite: Instructor Approval is required for all students.
Special Notes: This course is available as a single or double elective.