

FHS COURSE OFFERINGS FOR 2017-2018

Business Services

Accounting I

(Work Force Readiness Course)

Fee: \$20.00 (Students must purchase workbook and simulations)

Prerequisite: None

1 Elective Credit

Grades 10-12

Acquaints and equips students with a practical working knowledge of skills needed to perform daily accounting activities of proprietorships and partnerships. This includes principles and methods of recording business transactions, preparing and interpreting financial statements, and performing general business operations essential to all businesses. Manual concepts are taught as well as automated accounting. Business simulations are used for practical application of concepts.

Accounting II

(Work Force Readiness Course)

Fee: \$20.00 (Students must purchase workbook and simulations)

Prerequisite: Accounting I

1 Elective Credit

Grades 10-12

Provides students with a more intensive study of accounting procedures for partnerships and corporations. Focuses on students who have one or more of the following objectives: to become a bookkeeper or accountant; major in accounting in college; learn more about business procedures and records. Automated accounting will also be covered.

Business Law

(Work Force Readiness Course)

Fee: None (Students purchase supplies as needed)

Prerequisite: None

1 Elective Credit

Grades 9 -12

This is an overview of civil and criminal law with an emphasis in business. The law and its ethical foundations will be reinforced including constitutional rights. Students will learn the Court System structures and their jurisdictions. Other topics of emphasis may include personal rights, duties and responsibilities; legal ethics; laws for minors, families, and consumers; contracts (including marriage); debts and bankruptcy; personal property and landlord/tenant obligations. These concepts apply to everyone in everyday life, not just to people in business or those interested in the law. The class helps students gain perspective on their "duty" and their protections in the workplace.

Marketing (Introduction to)

(Work Force Readiness Course)

Fee: None (Students must purchase supplies.)

Prerequisite: None

1 Elective Credit

Grades 9 -12

Do you want to sell yourself to get accepted into that special university? Do you desperately need that job? Take Introduction to Marketing. During the fall semester you'll learn about marketing concepts, market analysis, product life cycles, why people buy things, human relations and the free enterprise system. The spring semester introduces selling, advertising and merchandising, starting a business and using marketing concepts to enhance business growth. These same concepts can be applied to an individual. This class is recommended for students wishing to take the Business/Marketing Cooperative class.

Yearbook I, II, III, IV

1 Elective Credit

Grades 10-12

Prerequisite: Teacher approval

Students edit the "Naniskad" yearbook, help with photography, sell advertising, write ad copy, edit layout, and proofread the yearbook. Students are required to stay after school and sometimes on Saturday when there is a deadline to be met. Approval of teachers and parents is required before signing up for the class.

Business Department Aide

Fee: None

Prerequisite: Approval of CATE Department Head

1 Elective Credit

Grades 11 – 12

Students' primary responsibility is to train on all copy equipment in the copy room and prepare reproduction orders for all faculty and administrative offices. Students will also be responsible for maintaining copy room records, delivery, filing, answering the telephone, and completing other general office assignments.

Career Exploration/Employability (Business Co-Op)

Fee: \$10 (students would purchase simulations)

Prerequisite: None

1 Elective Credit

Grades 10-12

This course focuses on instructional methods, materials and curricula to introduce students to the fundamentals of planning and implementing a comprehensive job search campaign as well as on employability/life skills. Emphasis is placed on identification of individual career goals and programs of study, assessments of skills and abilities, analysis of the job market, and effective use of employment search tools (i.e. resumes, cover letters,

interviewing, networking, and management of career pathways and resources. Other topics would include money management, insurance, communication and teamwork. Discussion and presentations by Career Services Professionals and Employer Representatives would be included. This course is focused on helping students to successfully map their classes to a program of study as well as prepare them for a job.

Computer and Technology

Introduction to Filmmaking

Fee: None

1 Elective Credit

Grades 9-12

Course provides the technical knowledge and skills necessary for television, video, film, and/or radio production. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within Mass Media-Production courses. Students are usually required to produce their own program or segment. Additional topics such as broadcast industry regulations, radio/TV operation, power of the medium, photography, transmission technology, and so on may be included.

This course will focus on the language and theory of video editing, putting theories into practice using iMovie digital editing software. This hands-on class introduces essential skills (angles, thirds, and lighting of footage, editing, working with time code and creating personal settings, etc.) and good editing habits along with understanding and appreciation of the role of editing in the storytelling process. Selected finished products could be aired on the FHS Live broadcasts

3D and Animation and Design

(Work Force Readiness Course)

1 Elective Credit

Fee: \$8.00

Grades 9 - 12

The objective of this course is to teach multi-media production on computers. The student is introduced to the principles of video and audio production. The student develops the ability to create professional video and audio clips. The Internet will be used as a resource. Students are also introduced to large and small format audio and video production. Production is done in Adobe PhotoShop, iMovie, QuickTime, 3D and iDVD. Reproduction is done on professional grade audio and video equipment.

Advanced 3D Animation and Design

(Work Force Readiness Course)

Fee: None

Prerequisite: Computer Graphic Design - 3D and Animation

1 Elective Credit

Grades 10 - 12

The objective of this course is to develop three-dimensional and animated graphic design projects. Students use software such as Photoshop, CS, Bryce, Cinema 4D and other design software for paper, Web, and other electronic publishing. The emphasis of this course is to have students work in teams to create various projects. This class intends to simulate real-world production team situations. The production teams will create extended and long format animations. Students will also understand how to create effective storyboards, animatics, and other filmmaking techniques. The Internet will be used as a design resource. Outcomes: College Prep, Tech Prep, and Entry Level Job Skills.

Digital Photography & Design

Fee: \$8.00

Prerequisite: Introduction to Computer Technology

1 Elective Credit

Grades 9-12

Materials: Digital Camera

This class is designed to teach students how to take and manipulate digital images. The primary programs that are used in the class are Adobe Photoshop, Adobe In-Design and Adobe Illustrator. Students will create digital projects such as magazine covers, media projects, business related materials (business cards, flyers, etc.), and other types of digital content.

Computer Graphic Design:

1 Elective Credit

Grades 10 - 12

Prerequisite: Digital Photography, Journalism or Yearbook

Learn the process and art of combining text and graphics to produce quality design of logos, graphics, brochures, layouts, newsletters, posters, signs, programs but not limited to other types of visual communication for Farmington High School and the Farmington community.

This program will prepare you for an entry-level position as a production artist, advertising designer, illustrator, layout artist, digital publisher or visual artist. The Internet will be used as a design resource. Outcomes: College Prep, Tech Prep, and Entry Level Job Skills

Mass Media I

1 Elective Credit

Grades 10 - 12

This course focuses on basic aspects of producing two aspects of the FHS Live streaming broadcasts network. On the video side, a product of the collaboration between Mass Media, Graphic Design, Video Productions, and others at Farmington High. Students are responsible for planning, producing, and

broadcasting FHS events. Students perform and are responsible for all facets of the broadcast such as building the graphic art, producing and editing video, recording interviews, setting up and operating equipment, and on-air broadcasting. The second aspect of FHS Live is also the same product of collaboration among various classes but focuses on all facets of radio broadcasting via the FHS Live streaming radio station.

Mass Media I, II and Mass Media Independent Study will include a component of live and recorded video (as in our streaming broadcasts) as well as live and recorded audio (as in our upcoming internet radio station).

Mass Media II Production

1 Elective Credit

Grades 10 - 12

This advanced course focuses on deeper aspects of producing two aspects of the FHS Live streaming broadcasts network. On the video side, a product of the collaboration between Mass Media, Graphic Design, Video Productions, and others at Farmington High. Students are responsible for planning, producing, and broadcasting FHS events. Students perform and are responsible for all facets of the broadcast such as building the graphic art, producing and editing video, recording interviews, setting up and operating equipment, and on-air broadcasting. The second aspect of FHS Live is also the same product of collaboration among various classes but focuses on all facets of radio broadcasting via the FHS Live streaming radio station. Students in this course will be afforded greater leadership responsibilities.

Mass Media Independent Study (for FHS Live)

1 Elective Credit

Grades 10 -12

This course allows FHS Live participants to receive a course credit for participating in the after school and weekend live events.

Culinary Arts

Foods I

(Work Force Readiness Course)

Fee: \$25.00

Prerequisite: None

1 Elective Credit

Grades 9 -12

Do you want to be able to prepare a tasty and nutritious meal? Foods I will include a study of the basic food preparation while incorporating healthy eating principles. Labs will include main dishes, desserts and side dishes. The proper

use of equipment and basic preparation skills will be studied. Emphasis will be given to food safety and the proper handling of food to prevent food borne illnesses. Multi-cultural foods will be explored and sampled as well as the vegetarian diet. Students will be taught the steps in preparation and planning of a family meal.

Foods II/Advanced

(Work Force Readiness Course)

Fee: \$25.00

Prerequisite: A grade of "C" or better in Foods I

2 Elective Credits/2 Periods

Grades 10 -12

Have you mastered cooking for your family? Do you want to tackle the challenge of cooking for a large crowd? Advanced Foods II can offer you that challenge. This class is a hands-on approach to quantity food production. Students will be learning the principles of running a food establishment while helping to prepare food for catering outside of school. Knife skills and presentation are also emphasized. Students will begin to explore food science and how it applies to the restaurant industry. Students will be required to attend catering jobs outside of school as part of this class. Students must be able to provide their own transportation.

Pro Start Year 1/Foods III

(Work Force Readiness Course)

Fee: \$25.00

Prerequisite: Foods II/Advanced

2 Elective Credits/2 Periods

Grades 11 - 12

Advanced Foods III begins the ProStart program. ProStart is a two-year certificate program nationally accepted by the restaurant industry. Students will begin to explore careers in the restaurant and hospitality industry. The students will get a more in-depth look at what it takes to work in a restaurant kitchen and also how to run the floor. This is a skills-based class and lab work will be done to hone knife skills, garnishing techniques, and general preparation of quantity food production. In addition to text work, students will be required to participate in catering jobs outside of school. Students must be able to provide their own transportation.

Pro Start Year II/Catering Management

(Work Force Readiness Course)

Fee: \$25.00

Prerequisite: Students must have completed Pro Start 1 with a grade of "C" or better. Teacher approval for manager positions

2 Elective Credits/2 Periods

Grade 12

Do you want the opportunity to make decisions and give orders? This class will give you the opportunity to do just that. In addition to completing the Pro Start

Certification Program, Pro Start II students will learn to work with a budget and how to delegate the time of others to get a catering job done. Each student will have a group of students they are responsible for and learn the fine art of supervision. Managers will be responsible for inventory of the lab and maintenance to keep the lab running smoothly. Due to the fact that this class does outside catering jobs, this class requires that the manager be in attendance in hours other than school hours.

Family and Consumer Sciences

Child Development

Fee: \$10.00

Prerequisite: None

1 Credit

Grades 9 - 12

This course is designed for students who are preparing for any career in education or working with children. It also prepares students for the future as a parent. Positive discipline techniques, ages and stages of development from conception through the teenage years are focuses of this class. The emphasis is on being a caregiver in a variety of roles.

Early Childhood Careers I

(Work Force Readiness Course)

Fee: \$5.00

Prerequisite: Child Development

2 Elective Credits/2 Periods

Grades 10-12

Do you enjoy working with children? Are you planning for a future in elementary or early childhood education, library science, pediatric medicine or dentistry, psychology or social work? Enroll for actual experience in group care, discipline, group activities, and overall organization in elementary education and day-care settings. Students will have a local background check conducted on them in order to meet requirements for anyone being considered for a position working with children. Students are responsible for their own transportation.

Early Childhood Careers II

(Work Force Readiness Course)

Fee: \$5.00

Prerequisite: Child Development and Early Childhood Careers I

2 Elective Credits/2 Periods

Grades 11-12

Learn even more about children! This is a full year lab experience in which students will be able to work in preschool and elementary education settings. Students will work closely with supervising personnel in order to gain experience not only working with children, but also planning lessons and organizing daily routines and activities. Students will have a local background check conducted

on them in order to meet requirements for anyone being considered for a position with young children. Students are responsible for their own transportation.

Early Childhood Careers III

Fee: \$5.00

Prerequisite: Child Development, Early Childhood Careers I & II

2 Elective Credits/2 Periods

Grades 11-12

Learn even more about children! This is a full year lab experience in which students will be able to work in preschool and elementary education settings. Students will work closely with supervising personnel in order to gain experience not only working with children, but also planning lessons and organizing daily routines and activities. Students will have a local background check conducted on them in order to meet requirements for anyone being considered for a position with young children. Students are responsible for their own transportation.

Fashion Design and Construction

Fee: \$10.00

Prerequisite: None

1 Elective Credit

Grades 9 - 12

Are you always interested in the latest fashion fad or craze? Are you interested in a career in the fashion industry? This course introduces the student to the history of fashion, couture/contemporary fashion, trends in production and marketing, principles of design, textiles and basic construction techniques.

Interior Design

(Work Force Readiness Course)

Fee: \$10.00

Prerequisite: None

1 Elective Credit

Grades 9 - 12

Does your room need a facelift? Are you looking for a career in interior decorating or design? Learn how to decorate a room or an entire house. This course introduces the student to the planning and designing of attractive and efficient living areas. Students will learn principles of design, architectural styles, furniture styles, basic floor planning, and the selection of furniture, windows, walls and floors.

Advanced Interior Design

(Work Force Readiness Course)

Fee: \$10.00

Prerequisite: Interior Design

1 Elective Credit

Grades 10-12

Optional: 3 credit hours through SJC/4 credit hours through The Art Institute

This class provides further study in furniture arrangement, floor plans, presentations, and much more. Dual-credit through San Juan College and The Art Institute is optional.

Trades and Industry

HIGH SCHOOL AUTOMOTIVE COURSES

High school automotive courses are held off campus. Bus transportation is provided. Course curriculum is taught progressively throughout the year, and each course must be entered at the beginning of the Fall Semester. Students in grades 10-12 may begin in any of the three automotive courses without a prerequisite. All automotive classes include a highly technical curriculum, which requires basic math, reading and writing skills for complete success. Students must provide: leather work shoes, clear safety glasses, and coveralls. Safety is emphasized. Students who successfully complete all three courses can potentially earn credit for San Juan College automotive courses. The overall goal of the High School Automotive Program is to expose students to career and educational possibilities in the automotive field and to provide students with a general working knowledge of the automobile and automobile service.

Automotive Suspension, Steering & Brakes

(Work Force Readiness Course)

2 Elective Credits/2 Periods

Grades 10 -12

This course begins by introducing students to the theory, operation, and repair of suspension and steering systems and continues with automotive braking systems in modern automobiles. Segments of performance brakes and suspension will be discussed and compared with production systems offered on factory equipment. Top of the line equipment such as brake lathes, alignment racks and tools will be used. Short segments of complete automobile maintenance and care will be offered.

Automotive Engine Overhaul & Performance

(Work Force Readiness Course)

2 Elective Credits/2 Periods

Grades 10 -12

This course will cover the principles and operation of the internal combustion engine. Engines will be properly disassembled, inspected, measured, and reassembled. Diagnosis and repair of the engine lubrication and cooling systems will also be covered. The latter part of the year will be the study of electronics and computer problems. Electrical theory and system uses in autos will be taught. Segments on complete auto repair and maintenance will be offered

Automobile Engine Tune up and Electrical

(Work Force Readiness Course)

2 Elective Credits/2 Periods

Grades 10 -12

This course will cover the principles and operations of the internal combustion engine. Maintenance, care and performance will be covered using test equipment and tools needed for safe and proper repairs. Troubleshooting and diagnosis of drivability problems will be covered. Safety will be stressed throughout the year. Fuel systems, ignition systems, lighting systems and computer systems will be covered with the electrical portion of the year using systematic methods of repair.

HIGH SCHOOL WELDING COURSES

High school welding courses are held off campus. Bus transportation is provided. Course curriculum is taught progressively throughout the year.

Exploratory Welding I

(Work Force Readiness Course)

2 Elective Credits/2 Periods

Grades 9 -12

Semester 1 & 2– Exploratory I

This course is an entry level welding course that covers procedures, processes, equipment, and terminology employed in welding and related fields. Welding equipment and industrial safety will be covered. Students will be provided with the basic knowledge and hands-on experience to perform gas-cutting operations. The theory and practical applications of stick electrode welding will be stressed. Students will also be introduced to math and blueprint concepts used in basic metal fabrication to create small projects. During this class metal build up or cladding will be implemented for a welding certification in metal build process in the flat position using 6010, 7018 and 7024 electrodes. All welds must be overlapped and have the proper tie in sequences.

Semester 2 is a continuation of Exploratory 1, with emphasis on structural plate in all positions using multi-pass fillet welds. The development of individual skills in multiple pass welds using various joint configurations used in industry in all positions, using stick electrode process; E-6010, E-7018, and E-7024 electrodes. Emphasis will be placed on development of basic motor skills related to arc control, electrode manipulation, basic weld bead patterns, and structural welded joints. A welding certification is earned by each student for each electrode and each welding position using Fillet Welds such as Flat, Horizontal, Vertical Up, Vertical Down and Overhead. Each student must meet the required criteria set forth from the American Welding Society Welding Code D1.1 to earn their Certified Welding Certificate. Each student must pass the visual examination by the AWS Certified Welding Inspector to become a certified welder in fillet welds. Students in this program can also become a member of the SkillsUSA program, which is optional. There is a small fee for the SkillsUSA weld testing that every student must take at the end of the second semester for a SkillsUSA Welding Certification.

Exploratory Welding II

(Work Force Readiness Course)
2 Elective Credits/2 Periods
Grades 10-12
Semester 1 & 2- Exploratory II

This course is a Level 2 Advanced Welder course that covers procedures, processes, equipment, and terminology employed in welding and related fields. Welding equipment and industrial safety will be covered. Students will be provided with the basic knowledge and hands-on experience to perform gas-cutting operations by hand beveling and preparing the plate for the welding process. This course is an advanced welding course covering Shielded Metal Arc Welding with emphasis on structural welding using the V-Groove with a Backing Strip using E-6010 and E-7018 in the Flat, Horizontal, Vertical, and Overhead welding positions. Students will learn how to wash the backing plate off for weld testing without damaging the original weld. Each student participating in this course can earn a certification after meeting all the criteria of the American Welding Society according to the D1.1/D.1M Structural Welding Code. Each welding test must pass a visual examination and a destructive test using the Guided Bend Test method. The American Welding Society Welding Inspector then certifies each certification and it must meet all the requirements set forth by the AWS D.1/D.1M Welding Code. To be able to take this course you must pass all the welding visual exams and earned a certification in the Beginning Welding Course or you must have the instructor's approval.

Exploratory Welding III

(Work Force Readiness Course)
2 Elective Credits/2 Periods
Grades 11-12

Semester 1 & 2- Exploratory III

This course is a Level 3 Expert Welder course that covers procedures; processes, equipment and terminology employed in welding and related fields. Welding equipment and industrial safety will be covered. Students will be provided with the basic knowledge and hands-on experience to perform gas-cutting operations with a track torch to bevel and prepare the plate for the welding process. This is an expert welding course covering Shielded Metal Arc Welding with an emphasis on structural welding using the V-Groove with Complete Joint Penetration (CJP), using the E-6010 and E-7018 electrodes in Flat, Horizontal, Vertical, and Overhead welding positions. Each student participating in this course can earn a certification after meeting all the criteria of the American Welding Society according to the D1.1/D.1M Structural Welding Code. Each welding test must pass a visual examination and a destructive test using the Guided Bend Test method. Each certification is then certified by the American Welding Society Welding Inspector and it must meet all the requirements set forth by the AWS D.1/D.1M Structural Welding Code. This Expert Welder course requires the welding instructor's recommendation to take this course. To be able to take this course you must pass all the welding visual

exams and earned a certification in the Advanced Welding Course or you must have the instructor's approval.

JROTC I - Grades 9-12

(Work Force Readiness Course)

Fee: None

Prerequisite: None

1 Elective or PE Credit

Grades 9-12

Drill and Leadership I

Course includes basic level of: citizenship, communication, decision-making skills, leadership, map reading, US military history, first aid, survival and physical fitness. Optional activities are: Color Guard, Drill Team, Rifle Marksman Team, and Raider Team.

JROTC II - Grades 10-12

(Work Force Readiness Course)

Fee: None

Prerequisite: Must have completed ROTC I.

1 Elective Credit

Grades 10-12

Drill and Leadership II/Communication Skills

Course is the advanced class level that builds on fundamentals learned in ROTC I. Completion of this course may allow student graduation communication skills credit. Course includes: leadership training and opportunities to learn cadet staff functions, first aid, map reading, American military history, physical fitness, career opportunities, technology awareness, role of US Army, marksmanship and safety. Optional activities: Cadet Company level staff, Color Guard, Drill Team, Rifle Team, and Raider Team.

JROTC III

(Work Force Readiness Course)

Fee: None

Prerequisites: Must have completed ROTC I & II.

1 Elective Credit

Grades 11-12

Drill and Leadership III/Physical Education

This is the junior level course. Completion of this course may allow student graduation credit for physical education. Emphasis is on leadership and training. Cadets in this year will comprise the Company staff with the responsibility to plan, coordinate and execute cadet activities and functions. Course includes: communication, leadership, cadet challenge, map reading, military history, role of US military forces, staff planning, human relations, military justice system and physical fitness. Optional activities: Cadet Battalion staff assistants, limited class peer instructors, leadership opportunities in: Color Guard, Drill Team, Rifle Team, and Raider Team.

JROTC IV

(Work Force Readiness Course)

Fee: None

Prerequisite: JROTC III

1 Elective Credit

Grades 12

Drill and Leadership IV

This is the senior level course. Emphasis is on leadership and training. Cadets in this year will comprise the Battalion staff with the responsibility to plan, coordinate and execute cadet activities and functions. Course includes: communication, leadership, Cadet Challenge, map reading, military history, role of US military forces, lesson preparation and presentation, human relations, military justice system and physical fitness. Optional activities: Cadet Battalion staff, assistant instructors, leadership of Color Guard, Drill Team, Rifle Team, and Raider Team.

JROTC Practicum

Fee: None

Prerequisite: JROTC I, II, III or IV

1 Elective Credit

Grades-9-12

Leadership and Special Team

This is a Zero hour course. It supplements the full JROTC curriculum by providing the cadets and opportunity to practice leadership and training skills. The cadet "Chain of command" will coordinate all JROTC activities competitions and school support activities. Special teams will conduct training relevant to Drill, Raider, Color Guard and Rifle Marksmanship

ENGLISH

English 9

1 English Credit

Grade 9

Fee: None

Prerequisite: Pass previous English course

The class is designed to meet the standards for college-bound and vocation-bound students who have average and above-average language arts skills. The student will study grammar and usage, improve spelling and vocabulary, use both oral and written language, study short stories, novels, non-fiction, drama, poetry, and mythology. Students will develop note taking, outlining, and research skills. There is an in-depth emphasis on the writing process including paragraphs, essays, and creative writing assignments.

English 9 Honors

1 English Credit

Grade 9

Fee: None

Prerequisite: An A or B in previous English classes and reading scores at grade level or above. Pass English with a B or better is strongly recommended.

The class is designed for the college-bound student who is willing to strive to meet high standards. Students will complete in-depth analyses of various literary forms through written and oral activities and will begin preparation for the Advanced Placement Test. Responses, both objective and subjective, will include explication, prediction, analysis, criticism, and evaluation. Students may be required to complete selected reading and/or projects during the summer preceding the course.

English 10

1 English Credit

Grade 10

Fee: None

Prerequisite: Pass English 9

The class is designed to meet the standards for college-bound and vocation-bound students who have average and above-average language arts skills. The student will review grammar and usage; improve spelling and increase vocabulary; use both oral and written language; study short stories, novels, poetry, non-fiction, drama, and world literature. Writing will include paragraphs, various types of essays, and creative writing assignments. Research projects and presentations will be included.

English 10 Honors

1 English Credit

Grade 10

Fee: None

Prerequisite: Pass English 9 with a B or better, or teacher recommendation; proficiency in reading and writing skills

The class is designed for the college-bound student who is willing to strive to meet high standards. Students must be willing to read and respond to, both in writing and speaking, a variety of literatures. Responses, both objective and subjective, will include explication, prediction, analysis, criticism, and evaluation. Students will begin preparation for the Advanced Placement Test. Students may be required to complete selected reading and/or projects during the summer preceding the course.

English 11, American Literature

1 English Credit

Grade 11

Fee: None

Prerequisite: Pass English 10

The class is designed to meet the standards for college-bound and vocation-

bound students who have average and above-average language arts skills. Students will study cultural diversity in American literature from early American mythology to twenty-first century works. Students will study grammar skills, improve vocabulary terms and spelling, become familiar with literary genres and terms through the study of short stories, drama, novels, poetry, and nonfiction. Students will read selected novels, complete research, and work in collaboration with classmates on presentations/projects, and write using a variety of formats.

Advanced Placement English 11 (Language and Composition)

1 English Credit fulfills the English 11 requirement

Grade 11

Fee: None

Prerequisite: None

The class is designed for the college-bound student who is willing to strive to meet high standards and to prepare the student for the *National Advanced Placement English Language and Composition Exam* given in May. This is primarily a course in both effective writing and critical reading of prose written in a variety of periods, disciplines, and rhetorical contexts. Students registering for this class need to realize considerable individual responsibility and effort are required. Students may be required to complete selected reading and/or projects during the summer preceding the course.

English 12, World Literature

1 English Credit

Grade 12

Fee: None

Prerequisite: Strongly recommend student has passed English 11.

The class is designed to meet the standards for college-bound and vocation-bound students who have average and above-average language arts skills. The literary focus is on various genres of British and world literature including fiction, nonfiction, and poetry. The course will also focus on higher-level essay writing skills, analysis of literature, study and practice of vocabulary words, and intensified study of grammar application. Group discussion, speaking, listening, and thinking skills will also be emphasized. Students will do research, writing, and presentations which may include essays, creative writing, career development, and technical writing.

Advanced Placement English 12 (Literature and Composition)

1 English Credit fulfills the English 12 requirement

Grade 12

Fee: None

Prerequisite: None

This class is designed to prepare students for the *National Advanced Placement English Literature and Composition Exam* given in May and is comparable to a second semester freshman college literature course. Students are expected to have advanced reading and solid writing skills upon entering the class. Students will read and analyze diverse, advanced literature and poetry and analyze the

reading selections through extensive writing and discussion. Students registering for this class need to realize considerable individual responsibility for the amount of reading and writing required to meet the stringent expectations. Students may be required to complete selected reading and/or projects during the summer preceding the course.

ENGLISH AS A SECOND LANGUAGE

English as a Second Language I

1 Elective Credit

Grades 9 -12

This course is designed for bilingual and/or monolingual students who have not yet mastered the basics of the English language. It is like a foreign language class for the English learner. Students review phonics, semantics, syntax, usage mechanics, and spelling. Listening and conversation is emphasized over reading and writing. This is not an open enrollment course. Students are tested to determine eligibility, or they may re-enroll based on teacher recommendation.

English as a Second Language II

1 Elective Credit

Grades 10 - 12

Prerequisite: Bilingual class or ESL 1 or teacher recommendation

ESL 2 is for the learner of English who has some communication, writing and reading skills, but is not yet ready to tackle English literature and in-depth writing. In ESL 2, the student could expect to work on writing skills, sentence structure, paragraph structure, vocabulary development, reading for meaning in English, analyzing reading for meaning, and practicing academic language necessary in other core classes. Conversational English, basic reading and writing are emphasized.

English as a Second Language III

1 Elective Credit

Grades 11-12

Prerequisites: Bilingual class or ESL 1 and 2 or teacher recommendation.

ESL 3 is for the learner of English as a second language who has satisfactory English communication skills in speaking, reading and writing, but do not have sufficient capabilities and skills developed to enroll in a regular English class. Students will be expected to work with the development of grammar, spelling, oral language and syntax expression, the basic writing process, and reading activities to comprehend the contents within the corresponding literature. This course will also emphasize and provide a review of sentence structure, verb forms, doing research, and practicing the academic language necessary to perform in other core classes.

English as a Second Language IV

1 Elective Credit

Grade 12

Prerequisites: Bilingual class or ESL 1, 2, and 3 or teacher recommendation.

ESL 4 is designed for the learner of English as a second language who has adequate communication skills in speaking, reading and writing, but does not have skills developed enough to tackle a regular English class. Students will be provided and be expected to expand and develop communication skills in grammar, journal entries, spelling, expressions in writing and composition, including research and comprehension in the selected literature. The course will also emphasize sentence structure and forms within the language arts context, and an overall enhancement in English language usage and performance in other core classes.

Communication Studies

Competitive Speech and Debate I, II, III, IV

1 Elective Credit

Grades 9 -12

Fee: \$5.00

Prerequisite: 2.0 GPA and teacher approval.

Students receive basic instruction in the principles of policy, value and legislative debate including reasoning and argument, research, questioning, speaking skills, ethics of advocacy, and teamwork. Research and analysis of a significant national or international policy controversy is an important part of this course. In addition, the ideas and theories of great philosophers are studied and argued as they relate to controversial issues in today's society. Opportunities to participate in debate competitions are available. Debate II, III and IV students receive advanced training and are expected to regularly participate in interscholastic debate contests.

Mass Media Communications I

1 Elective Credit

Grades 9 – 12

Mass Media Communication - This course enables students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and propaganda; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium.

Mass Media Production

1 Elective Credit

Grades 10 – 12

Course enables students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and

propaganda; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium.

- This advanced course focuses on deeper aspects of producing two aspects of the FHS Live streaming broadcasts network. On the video side, a product of the collaboration between Mass Media, Graphic Design, Video Productions, and others at Farmington High. Students are responsible for planning, producing, and broadcasting FHS events. Students perform and are responsible for all facets of the broadcast such as building the graphic art, producing and editing video, recording interviews, setting up and operating equipment, and on-air broadcasting. The second aspect of FHS Live is also the same product of collaboration among various classes but focuses on all facets of radio broadcasting via the FHS Live streaming radio station. Students in this course will be afforded greater leadership responsibilities.

FINE ARTS

Drama

Theater I

1 Elective Credit

Grades 9 –12

Fee: Fundraising

Satisfies communication credit. Units of study include; basics of performance Oral interpretation, movement and voice, scene and individual acting, design of technical elements (lights, sound, scenery). Students will be expected to perform and present to the class on a frequent basis.

Theater II

1 Elective Credit

Grades 10 -12

Fee: Fund Raising

Prerequisites: Introduction to Theatre

Deeper exploration of topics introduced in Intro and more advanced topics. Units of study include; scene work, monologue presentation, make-up, writing for the stage, directing, period Drama/acting styles.

Theater III

1 Elective Credit

Grades 10-12

Fee: Fundraising

Prerequisites: Introduction to Theatre, or two years of Art and instructor approval

Conducted largely on practicum basis. Students design and construct props, costumes, build sets, implement lighting designs, etc. Nominal class fee required.

Theater IV

1 Elective Credit

Grades 10-12

Fee: Fundraising

Prerequisites: Satisfy requirements for extracurricular eligibility, at least three semesters of previous Theatre courses with a grade of "B" or better, and instructor approval (approval contingent upon an acting or technical presentation)

Open to juniors and seniors - students function as a small Theatre company. Students lead production of plays for performance in the Spotlight Theater and as competition pieces. Students will produce and direct some productions themselves. Class and competition fees apply.

Visual Arts

Art I

1 Elective Credit

Grades 9 -12

Fee: \$40.00 non-refundable

Open to students interested in freehand drawing along with some painting. The emphasis is on technical skills and vocabulary, along with the application of the elements of art and principles of design. Studies include still life, figure, portrait, animal, and art history, etc. Students furnish their own #2 pencil and eraser

Art II

1 Elective Credit

Grades 10 -12

Fee: \$40.00 non-refundable

Prerequisite: Passing grade in Art I or teacher approval.

Open to students interested in more advanced studies of the elements of art and principles of design as applied to abstract and realistic drawing and painting. There is a stronger emphasis on more advanced studies of drawing, painting, vocabulary and art history. Studies will include still life, figure, portrait, landscape, animal, vegetation, layout and design, etc. Students furnish their own #2 pencil and eraser.

Art III

1 Elective Credit

Grades 11-12

Fee: \$40.00 non-refundable

Prerequisite: Teacher approval and passing grades in Art I and Art II.

Open to students with further interest in advanced drawing and painting. More mixed media techniques are emphasized in the class. Studies include drawing and painting of abstraction and realism in landscapes, vegetation, animals, still life, portraits, and figure with various media for drawing and tempera, acrylic and

watercolor for painting. The emphasis is on composition, design, techniques, etc. Students furnish their own #2 pencil and eraser.

Art IV

1 Elective Credit

Grade 12

Fees: \$40.00 non-refundable

Prerequisites: Passing grades in Art I, II and III and teacher approval.

Guided independent study class with 15-20 major drawings and paintings to be completed using materials and background from previous classes.

SJC Beginning Drawing I

(San Juan College Dual Credit ARTS 112)

1 High School Credit - 3 College Credits

Grades: 11-12

Fee: \$20.00

Prerequisite: Passing grade in Art I and teacher approval.

An advanced drawing class that emphasizes: 1.) The use of different drawing methods, and materials 2.) Composition skills including the use of the Elements of Art and the Principles of Design 3.) The perception of form in many different subjects.

SJC Beginning Drawing II

(San Juan College Dual Credit ARTS 113)

1 High School Credit - 3 College Credits

Grades: 11-12

Fee: \$20.00

Prerequisite: Passing grade in Beginning Drawing I.

This is an advanced drawing class that is a continuation of Dual Credit Drawing I.

Crafts/Clay I

1 Elective Credit

Grades 9 -12

Fee: \$40.00, non-refundable

Emphasis is on two dimensional pre-project design carried over into various three dimensional projects. A variety of craft materials will be used. Additional supplies may need to be furnished by the students depending on the type of project. Tile production and the construction of tile walls on campus are included.

Crafts/Clay II

1 Elective Credit

Grades 10 -12

Fee: \$40.00, non-refundable

Prerequisite: Teacher approval with a “C” or better in Crafts/Clay II.
Same types of craft areas as Clay I with students having more developed projects within a given area.

Crafts/Clay III

1 Elective Credit

Grades 11-12

Fee: \$40.00, non-refundable

Prerequisite: Teacher approval with a “C” or better in Crafts/Clay II.
Students prepare a designed crafts object in a particular medium and carry out advanced projects with teacher’s approval. Students may be required to furnish other than basic materials.

Crafts/Clay IV

1 Elective Credit

Grades 11-12

Fee: \$40.00, non-refundable

Prerequisite: Teacher approval with a “C” or better in Crafts/Clay III.
Students prepare a designed crafts object in a particular medium and carry out advanced projects with teacher’s approval. Students may be required to furnish other than basic materials.

Ceramics I

1 Elective Credit

Grades: 9 - 12

Fee \$40.00 non-refundable

Ceramics class will look at many aspects of working with clay. Students will spend a majority of time perfecting hand building and glazing techniques. They will also have the opportunity to work on the wheel.

Music

Advanced Placement Music Theory

1 Elective Credit

Grades 11-12

Prerequisite: 2 years of participation in a high school music ensemble

This class is for students who desire enrichment in music classes as well as preparation for college music entrance exams and career study. Though the main emphasis is placed on music of the Common Practice period (1600–1900), music of other stylistic periods is also studied. **Students must be concurrently enrolled in a music performance class; band, choir, guitar, or orchestra.**
Entrance to this course must be approved by the teacher.

BAND

Color Impressions Flag Corps I, II, III & IV (0 Hour)

1/2 Credit (Semester 1 Only)

Grades 9 -12

Uniform Fee Required: \$150.00

Prerequisite: This course is by audition only

The Color Impression Flag Corps utilizes the fundamentals of twirling flags, rifles, and other items as well as the learning of basic dance. This course augments the Marching Band in the fall, and all marching events are required. After marching season, Flag Corps converts to Winter Guard. The Winter Guard will compete in state and national competitions where available. Flags is a 0 hour only, first semester only course. Students will be responsible for raising money for extra-curricular trips. Students must meet all eligibility requirements to compete.

Jazz Band

1 Elective Credit

Grades 9 -12

Instrument Rental Fee: \$30.00 per Semester

Students who display the necessary skill level on their instrument may be placed in the jazz ensemble. Emphasis is on jazz techniques, improvisation, scales, chords, and theory. Performing at home basketball games is required and all students must meet eligibility requirements to compete. Students must be enrolled in the marching/concert band program in order to participate in jazz ensemble with the exception of piano, bass, and guitar. Entrance to this course is by invitation or audition only. The Jazz Band meets during the school day and performs for local civic organizations and concerts. The Jazz Band will travel from school to school within the Farmington area.

Marching Band (Offered Semester 1 Only)

1 Elective Credit/2 Periods

Grades 9 -12

Uniform Fee Required: \$35.00 - District Wide

Instrument Rental Fee: \$30.00 per Semester

Marching band activities include playing at all Farmington High School football games, community parades, area marching festivals, and NWNMMEA District Marching Contest. Students must be members of the FHS Marching Band to be eligible to participate in any other band class or activity. Marching styles and music memorization are the main focus of this course. Marching Band begins with a two-week band camp prior to the beginning of school that will focus on marching fundamentals. All students who (1) pass off their marching fundamentals; (2) pass off their marching music; (3) attend all rehearsals; (4) earn their uniform; and (5) make a conscientious effort to improve will be considered to perform during the marching season. However, contest performances will be limited to those students who demonstrate the most advanced skills for performance. All students must meet eligibility requirements to compete and it is mandatory that students enroll for "0" and "1st" hours.

Symphonic Band (Offered Semester 2 Only)

.5 Elective Credit/1 Period

Grades 9 -12

Instrumental Rental Fee: \$30.00 per Semester

At the conclusion of the marching season, the Marching Band is divided into two performing concert bands. The membership in each group is determined by an audition conducted by the band staff held in November. This organization performs at invitational concert contests, out of state festivals and NWNMMEA Large Group Contest. All students must meet eligibility requirements to compete. Their performances include, but are not limited to, three concerts, graduation, assemblies and solo and ensemble classes. From Symphonic Band, students may audition for All-District Honor Band and All-State Honor Band. Symphonic Band students will be given a complete calendar of spring events prior to the beginning of the semester. Students in this ensemble will perform music from the grades 1, 2, and 3 UIL music list.

Wind Ensemble (Offered 0 Hour, Semester 2 Only)

.5 Elective Credit/1 Period

Grades 9 -12

Instrument Rental Fee: \$30.00 per Semester

At the conclusion of the marching season, the Marching Band is divided into two performing concert bands. The membership in each group is determined by an audition conducted by the band staff in November. Music for this audition is normally the same as the region tryout music and is available in August. Students in this ensemble will perform music from the grades 4 and 5 UIL music list. This constitutes the most challenging music available for public school bands. Extra rehearsals and clinics are occasionally scheduled during competition time. Those students who demonstrate the highest degree of achievement will be in the Wind Ensemble. Wind Ensemble must participate in all-region band tryouts and solo and ensemble contest. Those who do not participate in all region tryouts and solo and ensemble will be removed from this class. Instrumentation shall also be a consideration for membership in the Wind Ensemble. Wind Ensemble members playing in the Concert Band are required to learn and play another instrument. This enables both bands to participate in NWNMMEA Large Group Festival.

CHOIR

Scorpion, Incorporated Choir I, II, III & IV

1 Elective Credit

Grades 9 -12

Fee: \$35.00

A beginning to intermediate level class wherein students are given the opportunity to improve their vocal and musical knowledge and skills. Emphasis is placed on beginning to intermediate sight-reading and music theory. Attendance at all performances, and strong, positive class participation is required.

AUDITION CHOIRS

Hollering Band I, II, III & IV

1 Elective Credit

Grades 9 -12

Fee: \$35.00

Prerequisite: Ability to sight sing and an expanded knowledge of the principles of choral singing; audition and consent of instructor.

This class is an advanced large group choir that emphasizes performance of all periods and styles of choral music. Participation in all concerts, clinics, festivals and fundraisers is required.

Windsong Jazz Choir I, II, III & IV

1 Elective Credit

Grades 9 –12

Fee: \$35.00

Prerequisite: Hollering Band enrollment and teacher selection through audition and placement.

Students will experience extensive and intensive work in all areas of vocal music with emphasis on blend, style, and performance practices from the Renaissance through contemporary periods. This is the primary vocal performing ensemble. Concurrent enrollment in Hollering Band is required. Students must have excellent sight-reading skills and a strong desire to be challenged musically.

GUITAR

Guitar I and Guitar II

1 Elective Credit

Grades 9 –12

Fee: \$35.00

This is a beginning level class for students to learn the basics of playing the guitar (Folk and Classical Guitar only). Students will learn basic music reading, theory, history and repertoire as it relates to Folk and Classical Guitar. Students will learn in both the class setting and individual guidance throughout the year. Students must supply their own guitar.

Guitar III and Guitar IV

1 Elective Credit

Grades 10-12

Fee: \$35.00

Prerequisite: Guitar 1 and audition and consent of instructor

This is a performance class with the emphasis on semi-classical and classical music. Students will be expected to audition for the All State Guitar Ensemble. There will be a minimum of two public performances during the year. Students

will be expected to read music, rhythms and symbols to be considered for this select ensemble. All students will be supplied with a classical guitar to use in class. Students must have their own guitar at home for practice. In addition to performing as an ensemble, those students that demonstrate advanced technique will have the opportunity to perform in trios and quartets.

ORCHESTRA

String Orchestra I, II, III, IV

1 Elective Credit

Fees: \$35.00 non-refundable with fundraising available. \$60/year instrument rental if needed.

Prerequisite: Must have at least middle school string experience.

Grades 9-12

Students will study string instrument technique, literature, and music theory. This course is a performance-based ensemble for 9th through 12th graders needing additional high school string technique. It is a prerequisite to Chamber Orchestra. Students will study a variety of styles including solo, chamber, large string ensemble, and symphonic literature. Several concerts are performed each semester as well as Northwest District Solo and Ensemble, Northwest District Honor Orchestra, and a spring competition or tour. Uniform required (see Director for Tux or dress style.) Sectionals and extra rehearsals are required.

Chamber Orchestra I, II, III, IV

1 Elective Credit

Fees: \$35.00 non-refundable with fundraising available. \$60/year instrument rental if needed.

Prerequisite: Must audition and Director approval is required.

Grades 10-12

Students will study string instrument technique, literature, and music theory. This course is a performance-based ensemble for 10th through 12th graders.

Prerequisite is String Orchestra. Students will study a variety of styles including solo, chamber, large string ensemble, and symphonic literature. Several concerts are performed each semester as well as Northwest District Solo and Ensemble, Northwest District Honor Orchestra, and a spring competition or tour. Uniform required (see Director for Tux or dress style.) Sectionals and extra rehearsals are required. Students in Chamber Orchestra must remain eligible at all times during the year and are required to audition for NMMEA All-State Festival in October.

Honor Orchestra, and a spring trip. Uniform required (see Director for Tux style or dress style.) Sectionals and extra rehearsals are required.

FOREIGN LANGUAGE

French I

(Foreign Language Class)

1 Credit

Grades 9 -12

Open to students interested in French language and culture. Books, cd's, and films are used to develop an ability to read, write, hear, and speak French. Additionally, French culture is explored through making and tasting French cuisine, researching France and other French speaking countries, and watching videos of various aspects of French life. Knowledge of French will help the student better understand English grammar and vocabulary, improve scores on college entrance exams, and broaden his/her understanding of the world.

French II

(Foreign Language Class)

1 Credit

Grades 10 -12

Prerequisite: "C" or better in French I or teacher recommendation.

All language areas are emphasized at an intermediate level: comprehension, listening, speaking, reading and writing. Students continue to develop their knowledge of French culture and language by exposure to a variety of methods. The goal of this class is to enable students to communicate in French. There is a strong emphasis on grammar and conjugating verbs. Additionally, French culture is explored through more in-depth research projects on France. Successful completion of French II constitutes a foreign language requirement for a four-year university.

French III

(Foreign Language Class)

1 Credit

Grades 11-12

Prerequisite: "C" or better in French II or teacher recommendation.

Much of the class is conducted in French. Students must have an ability to understand French spoken at a normal rate of speed. Grammatical and verbal skills will be emphasized and developed. There are discussions in French on all aspects of French life and culture. Students are expected to research various topics and demonstrate oral presentations. Students will also develop reading skills by studying poetry, short stories and at least one novel in French.

French IV

(Foreign Language Class)

1 Credit

Grades 11-12

Prerequisite: C or better in French III or teacher recommendation.

This class is conducted mostly in French. Mastery of the language is furthered by introducing advanced grammar skills through a variety of reading selections. The student continues to develop listening and comprehension skills through

various media such as videos, CD's and the Internet. The student will also demonstrate advanced speaking skills through active discussion and oral presentations on a spectrum of topics.

Advanced Placement French Language and Culture

(Foreign Language Class)

1 Credit

Grades 11-12

Prerequisite: C or better in French III or teacher recommendation

AP French Language and Culture is a college-level course intended for students in their fourth year of French. These students will embark on a meaningful study of six topical and cultural themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. These themes serve as springboards for practice of interpersonal, interpretive and presentational communicative skills within interesting and relevant contexts. The course guides the students to explore culture and events in both contemporary and historical settings and to examine products and practices of the target culture with regard to their perspectives. Reading, writing, speaking, and listening skills are all emphasized throughout the various themes with the overall goal of rendering these skills more natural, accurate, and fluid. The teacher will conduct this course almost exclusively in French and the students will be encouraged to do likewise.

Navajo I/Bilingual

(Foreign Language Class)

1 Credit

Grades 9 -12

This course is for people who do not understand any Navajo at all. Students will concentrate on the most basic sounds, words, and functions. This course concentrates on mastery of pronunciation, identification of sounds, and development of vocabulary and conversation. Students learn simple Navajo conversation and mastery of simple sentences. Students enlarge their vocabulary through oral and written exercises.

Navajo II/Bilingual

(Foreign Language Class)

1 Credit

Grades 10 -12

Prerequisite: A grade of "C" or better in Navajo I or teacher recommendation.

This course is a continuation of Navajo I for non-speakers. Students will concentrate on the most basic sounds, words, and functions. This course concentrates on mastery of pronunciation, identification of sounds, and development of vocabulary and conversation. Students learn simple Navajo conversation and mastery of simple sentences. Students enlarge their vocabulary through oral and written exercises.

Navajo III/Bilingual

(Foreign Language Class)

1 Credit

Grades 10 -12

Prerequisite: A grade of "C" or better in Navajo II or teacher recommendation.

This course is a continuation of Navajo I and Navajo II for non-speakers. Students will concentrate on the most basic sounds, words, and functions. This course concentrates on mastery of pronunciation, identification of sounds, and development of vocabulary and conversation. Students learn simple Navajo conversation and mastery of simple sentences. Students enlarge their vocabulary through oral and written exercises.

Spanish I

(Foreign Language Class)

1 Credit

Grades 9 -12

Open to all students interested in learning Spanish language and culture. The goal of the class is to enable students to communicate in Spanish. This involves understanding grammar, culture and history. Students will understand, speak, read and write in modern Spanish. There is a strong emphasis on grammar and conjugating verbs. Additionally, Spanish culture is explored through researching Spanish and other Spanish-speaking countries. Knowledge of Spanish will help the student better understand English grammar and vocabulary, improve scores on college entrance exams, and broaden his/her understanding of the world.

Spanish II

(Foreign Language Class)

1 Credit

Grades 9-12

Prerequisite: A grade of "C" or better in Spanish I or teacher recommendation.

All language areas are emphasized at an intermediate level: listening, comprehension, speaking, reading and writing. Students continue to develop their knowledge of Spanish culture and language by exposure to a variety of methods. The goal of the class is to enable students to communicate and understand modern Spanish. There is a strong emphasis on grammar and conjugating verbs. Additionally, Spanish culture is explored through more in-depth research projects on Spanish-speaking countries.

Spanish III

(Foreign Language Class)

1 Credit

Grades 9 -12

Prerequisite: "C" average or better in Spanish I and II or teacher recommendation. Entry test administered if necessary if a student feels he/she is quite fluent in the language without taking Spanish I or II.

Conducted almost entirely in Spanish. Students learn new vocabulary and acquire listening comprehension skills. They will give various kinds of speeches (informative, demonstrative, etc.), in Spanish. They learn Spanish needed for travel and common conversation in a Spanish speaking country. Reports are given orally. Some Spanish literature is read and discussed. Advanced Placement test may be taken if student desires. A student may not receive credit for Spanish I or Spanish II if he/she was moved to an upper level class without completing the course (periodically a person with exceptional ability is moved to an advanced class; they may not receive credit for courses skipped).

Advanced Placement Spanish Language

1 Credit

Grades 11 -12

Prerequisite: "C" or better in Spanish III or teacher permission. Students are encouraged to take the AP exam.

Prepares the student for the Advanced Placement Examination in Spanish language. The class is conducted entirely in Spanish. Besides a review of grammar, the course focuses on reading literary selections in the target language, discussions and papers on topics from the selections. Additionally, various media sources such as newspaper, magazines, videos, and recordings of TV programs and commercials are used extensively.

Advanced Placement Spanish Literature

1 Credit

Grades 11 – 12

Prerequisite: Must have an advanced working knowledge of Spanish (reading and writing) or teacher permission. Students are encouraged to take the AP exam.

Prepares the student for the Advanced Placement Examination in Spanish Literature. This class is conducted entirely in Spanish. The course includes extensive reading of selected short stories, novels, and poetry in Spanish. Through writing and discussion, students will become familiar with the various topics and literary styles of well-known Hispanic authors as well as general literary terms and genres.

Spanish Bilingual I

(Foreign Language Class)

1 Credit

Grades 9 -12

Open to all students enrolled in Bilingual Ed. The goal of the class is to enable students to improve native reading and writing skills. This involves the understanding of words, customs, interpersonal relationship (family, friends, etc.), life style (meals, hours), relationship to environment (climate, geography), and the influence of history on the present. Students become aware of how the culture and language differs from English. This class helps students understand, speak, read, and write Spanish as it is used today.

Spanish Bilingual II

(Foreign Language Class)

1 Credit

Grades 9 -12

Prerequisite: A grade of “C” or better in Bilingual I or teacher recommendation.

Open to all students enrolled in Bilingual Ed. As this is a more advanced level of Spanish, it is recommended that the student should have taken Spanish I and received a grade of “C” or better or have a teacher recommendation. The goal of this class is to help students improve their knowledge of the Spanish language and to imitate native speakers more closely. Students gain a greater understanding of the culture of Latin America. Greater emphasis is placed on grammar and the ability to communicate orally. Students must be willing to talk in front of a group or to hold a conversation with another student while the class listens.

Spanish Bilingual III

(Foreign Language Class)

1 Credit

Grades 9 - 12

Prerequisite: "C" average or better in Bilingual I and II or teacher recommendation.

Open to students enrolled in Bilingual Ed. Students learn new vocabulary and acquire advanced listening comprehension skills. They will give various kinds of speeches (informative, demonstrative, etc.), in Spanish. They learn Spanish needed for travel and common conversation in a Spanish speaking country. Reports are given orally. Some Spanish literature is read and discussed. The Advanced Placement test may be taken if the student wishes. A student may not receive credit for Bilingual I or Bilingual II if he/she was moved to an upper level class without completing the course (periodically a person with exceptional ability is moved to an advanced class; they may not receive credit for courses skipped).

Spanish Bilingual IV

(Foreign Language Class)

1 Credit

Grades 11 – 12

Prerequisites: A grade of “C” or better in Bilingual III or teacher recommendation.

Open to students enrolled in Bilingual Ed. Besides an on-going review of grammar, the course focuses on reading literary selections by multicultural authors and discussing themes and topics from both modern and historical literature. Students acquire advanced speaking skills by actively participating in conversations and presenting oral reports. They develop listening and writing skills by interacting with the literature, their classmates, the instructor and guest speakers. The Advanced Placement Language test may be taken if the student wishes. A student may not receive credit for Bilingual I, Bilingual II and Bilingual III if he/she was moved to an upper level class without completing the course

(periodically a person with exceptional ability is moved to an advanced class; they may not receive credit for courses skipped).

LIBRARY SCIENCE

Library Science I

1 Elective Credit

Grades 10-12

Prerequisite: Conference with Librarian and teacher recommendations.

Course is limited to two students per period. The purpose of this course is to help students use a library media center more effectively and also prepare them to work as part of the media center staff. Through individualized instruction and on the job training, the following will be covered: value and purpose of library media centers; policies, resources, organization, and staff responsibilities; audio visual equipment and materials; classification and arrangement of materials in media centers; the electronic card catalog; reference sources; indexes and periodicals; processing, storage, retrieval, circulation and on-line searching.

Library Science II

1 Elective Credit

Grades 11-12

Prerequisite: Library Science I and conference with Librarian.

Reinforce objectives of Library Science I and perform duties as part of the media center staff.

MATHEMATICS

Math Lab (Algebra. 1, Geometry or Algebra II)

1 Elective Credit

Grades 9– 12

Prerequisite: Enrollment in, Geometry or Algebra II, Teacher/Counselor Approval

This course emphasizes individual student progress in the content area of Algebra 1, Geometry or Algebra II. The lab is designed to enhance student understanding of the basic concepts being taught in the core mathematics class.

Algebra I

1 Math Credit

Grades 9

This course focuses on the basic principles of Algebra necessary for further work in mathematics and is the prerequisite for Geometry. Algebra I is required for graduation. Failure to pass either semester of this course results in a repeat of the class at summer school or night school. Students must have access to a scientific or graphing calculator.

Geometry

1 Math Credit

Grades 9-12

Prerequisite: One credit in Algebra I.

This course requires the use of elementary Algebra. It stresses deductive proof and logic. The course content includes geometric concepts involving points, lines, planes, circles and polygons. Geometry is required for graduation and is the prerequisite for Algebra II. Students must have access to a scientific or graphing calculator.

Applied Math

1 Math Credit

Grades 11-12

Prerequisite: One credit in Algebra I and one credit in Geometry or may take Geometry concurrently.

This course is for 11th and 12th graders who have successfully completed Algebra 1 and are planning on pursuing any type of vocational training after high school. Students will participate in hands-on activities to learn and reinforce the New Mexico Math Standards. Students must have access to a scientific or graphing calculator. This class is not NCAA Approved.

Financial Literacy

1 Math Credit

Grades 10 – 12

This course explores the following areas of study in financial planning and money management: Budgeting, checking accounts, banking, credit cards, loans, purchasing homes and vehicles, insurance, investing, and retirement planning. This class is not NCAA Approved.

Algebra II

1 Math Credit

Grades 9-12

Prerequisite: One credit in Algebra I and one credit in Geometry

This course is a continuation of Algebra I and Geometry. It prepares students for any introductory level college mathematics course. Most colleges specify Algebra II as an entrance requirement. Algebra II is the prerequisite for Elementary Functions and for Pre-Calculus. Students must have access to a graphing calculator.

Probability and Statistics

1 Math Credit

Grades 10 – 12

Prerequisite: One credit in Algebra I and one credit in Geometry.

This course is designed to emphasize inferential and descriptive statistics. It is the ideal alternative for those students not taking AP Statistics. The content focuses on the statistical thinking behind gathering and interpreting data. Students must have access to a graphing calculator.

Advanced Placement Statistics

1 Math Credit

Grades 10-12

Prerequisite: One credit in Algebra II.

The purpose of AP Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students must have access to a graphing calculator with statistical abilities. See instructor for suggestions. The Statistics Advanced Placement Exam will be administered near the end of the second semester, allowing the student the possibility of earning college credit for this course.

Elementary Functions (College Prep Algebra)

1 Math Credit

Grades 10-12

Prerequisite: One credit in Algebra 1, one credit in Geometry and one credit in Algebra II.

This course is designed to build the foundation necessary for success in an entry-level postsecondary mathematics course. It reinforces a variety of mathematical skills through investigations and problem solving of real-world applications. Students must have access to a graphing calculator.

Pre-Calculus

1 Math Credit

Grades 10 -12

Prerequisite: One credit in Algebra 1, one credit in Geometry and one credit in Algebra II.

This course is designed to prepare those students who have decided upon a career in mathematics, science, engineering, or a related field. It is an intensive study of those topics, which will prepare the student to enter AP Calculus or a college level Calculus class the following year. Students must have access to a graphing calculator.

Advanced Placement Calculus AB

1 Math Credit

Grade 10-12

Prerequisite: One credit in Pre-Calculus. Students are expected to take the AP Calculus AB exam.

This is a college level calculus class including differentiation and integration. The Calculus Advanced Placement Exam will be administered near the end of the second semester, allowing the student the possibility of earning college credit for

this course. This course is designed to prepare students for the AP Calculus AB Exam. Students must have access to a graphing calculator.

Advanced Placement Calculus BC

1 Math Credit

Grade 11-12

Prerequisite: One credit in AP Calculus I Students are expected to take the AP Calculus BC exam

This course covers parametric equations, differential equations, infinite series and sequences. Students will learn to solve calculus problems using a computer algebra system and applications and advanced topics will be included. The Calculus Advanced Placement exam will be administered near the end of the second semester, allowing the student the possibility of earning college credit for this course. This class is designed to prepare students for the AP Calculus BC Exam. Students must have access to a graphing calculator.

Office Aides

Business Department Aide

1 Elective Credit

Grades 11-12

Prerequisite: Instructor approval.

Students' primary responsibility is to train on all copy equipment in the copy room and prepare reproduction orders for all faculty and administrative offices. Students' will also be responsible for maintaining copy room records, delivery, filing, answering the telephone, and completing other general office assignments.

Office Aide

1 Elective Credit

Grades 11-12

Prerequisite: Instructor approval.

Gives students practical experience in performing office procedures and in working with people. Objectives are: to develop basic knowledge in working effectively with the public, parents and students; to develop basic knowledge including bulk mailing, sorting, and distribution; to develop reliable work habits, promptness and regular attendance; to develop loyalty by understanding that daily responsibilities must be met; to develop trustworthiness by handling all duties with confidentiality; to develop maturity and self discipline by accepting projects and following them to completion; to develop the ability to work with others and to show responsiveness for the needs of the office/school and its staff. Students may only be an office aide one time during high school.

Science Lab Assistant

1 Elective Credit

Grades 11-12

Prerequisite: Instructor approval.

Does not satisfy the one credit of laboratory science required for graduation. Two semesters will earn one elective credit. This class is for students with an expressed interest in the field. Assistance is given to teachers in laboratory instruction and preparation. Students should secure written permission from a teacher in the science department prior to registration. It is not to be taken more than once during a high school career.

Physical Education

Graduation Requirements for Physical Education – 1.0 Credit. All of the following courses satisfy the Physical Education graduation requirement.

Physical Education

Fee: None

Prerequisite: None

1 PE or 1 Elective Credit

Grades: 9-12

This Physical Education course is a full year course, which includes participation and introductory instruction in individual games and team sports. This course will place emphasis on improving personal fitness, which will include running, weight training, etc.

Aerobics I, II – Co-Ed

Fee: None

Prerequisite: None

1 PE Credit or 1 Elective Credit

Grades: 10-12

This class is made up of a vigorous exercise program that emphasizes cardiovascular fitness, body weight control, and flexibility through aerobic exercises, stretching, joggi

Personal Fitness I

Fee: None

Prerequisite: None

1 PE or 1 Elective Credit

Grades: 9-12

Basic knowledge of physical fitness (muscular strength, muscular endurance, flexibility, cardiovascular endurance, body composition), large muscle group location and function, training principles, and all aspects of Wellness are required for this introductory course focusing on the basic skills and techniques of weightlifting. Weightlifting will be the primary activity of the class to develop knowledge of proper exercises/lifts to tone and increase muscle mass. Students will learn proper safety, lifting exercises, muscles focused upon in exercises, and obtain the ability to use weightlifting as a lifetime physical activity. Students will

also participate in cardiovascular activities as a part of the physical conditioning program. This class is recommended prior to enrollment in Weightlifting II or III.

Personal Fitness II

Fee: None

Prerequisite: 1 Credit of Weightlifting I/PT I

1 PE or 1 Elective Credit

Grades: 10-12

This class will allow students to develop their own personal workout routines and schedules based on the principles taught in Weightlifting I. Developing personal workout routines will include manipulation of sets, repetitions, and tempo of exercises/lifts according to each student's individual goals. Students will also gain knowledge of more advanced lifts including small muscle group lifts (deltoids, extensors, flexors, erectors.) Proper safety, lifting exercises, muscles focused upon in exercises, and the practices of their personal workouts are vital aspects of the class. Students will also participate in cardiovascular activities as a part of the physical conditioning program.

Personal Fitness III

Fee: None

Prerequisite: Weightlifting II/PT II

1 PE or 1 Elective Credit

Grades: 11 -12

This class will give students the knowledge, skills, and technique for Weightlifting using knowledge gained in Weightlifting II. The focus will be to use proper exercises/lifts to increase and build muscle mass and strength using advanced lifts, such as power cleans, snatch squat, dead lifts, heavy squats, full squats, clean and jerk, front squats, jump squats, push press, power press, high pulls. Proper safety, lifting exercises and muscles focused upon in exercises will be included as vital aspects of this class. Students will also participate in cardiovascular activities as a part of the physical conditioning program.

*Weightlifting/Personal Fitness will also be offered during Zero hour @ FHS

Personal Fitness IV

Fee: None

Prerequisite: Weightlifting III/PF III

1 PE or 1 Elective Credit

Grades: 11 – 12

This class will give students the knowledge, skills, and technique for Weightlifting using knowledge gained in Weightlifting III. The focus will be to use proper exercises/lifts to increase and build muscle mass and strength using advanced lifts, such as power cleans, snatch squat, dead lifts, heavy squats, full squats, clean and jerk, front squats, jump squats, push press, power press, high pulls. Proper safety, lifting exercises and muscles focused upon in exercises will be included as vital aspects of this class. Students will also participate in cardiovascular activities as a part of the physical conditioning program.

Lifetime Sports and Activities

Fee: \$25.00 (Fee does not cover all activities)

1 Credit of PE or 1 Elective Credit

Grades: 11-12

This course offering will provide exposure to a wide variety of sports and activities. This unique course has the potential to expose students to outdoor activities one may never personally experience. Although all activities are extremely diverse in nature, it is important to remember students will, depending on the activity, be exposed to strenuous exercise. Such activities are, but not limited to: canoeing, kayaking, rock climbing, skiing, snowshoeing, cross-country skiing, and mountain biking. This course requires travel off campus, which is not provided by the District. Not all trips will be taken during school time.

Interscholastic Sports

Interscholastic Sports

Fee: None

Prerequisite: Skill level tryouts as established by coach/sponsor

.50 to 1 PE or 1 Elective Credit

Grades: 9-12

This course is designed to give instruction in advanced skills, knowledge and conditioning in interscholastic athletics designed for the serious student athlete. Classes will touch on a wide variety of athletic and sport relative topics. Classes have four levels with increasing expectations. While classes are normally scheduled by class period, practice sessions usually last at least two hours, and some are conducted at various times due to facility availability and other considerations. A student cannot receive credit for participation in two sports in the same semester.

The Physical Education credit may be satisfied through participation in the following interscholastic sports per amendment to State Statute 22-2-8-4 – i.e. successful completion of any three-sport seasons prior to the 12th grade.

Baseball I, II, III, IV

Basketball I, II, III, IV (Boys)

Basketball I, II, III, IV (Girls)

Cross-Country I, II, III, IV (Fall Semester only)

Diving I, II, III, IV (Fall Semester Only)

Football I, II, III, IV

Golf I, II, III, IV (Boys) (Spring Semester only)

Golf I, II, III, IV (Girls) (Spring Semester only)

Soccer I, II, III, IV (Boys)

Soccer I, II, III, IV (Girls)

Softball I, II, III, IV

Swimming I, II, III, IV (Fall Semester only)

Tennis I, II, III, IV (Boys) (Spring Semester only)

Tennis I, II, III, IV (Girls) (Spring Semester only)

Track & Field I, II, III, IV (Spring Semester only)
Volleyball I, II, III, IV (Fall Semester only)
Wrestling I, II, III, IV
Cheer I, II, III, IV
Dance I, II, III, IV

***Prerequisite for all interscholastic sports: Skill level tryouts as established by coach/sponsor.

RELIGION RELEASE

Contact LDS Seminary for more information.

SCIENCES

Physical Science

1 Lab Science Credit
Grade 9

Physical Science is a course designed for the majority of students at the ninth grade level. One semester will focus on beginning concepts of chemistry, and the other semester will be conceptual physics. 20% of class time will be spent in laboratory experiences; therefore, it will count as a lab science toward graduation. An independent science project will be required

Physical Science - Honors

1 Lab Science Credit
Grade 9

Prerequisite: Algebra I – or a grade of B or better in pre-Algebra

Pre-Advanced Placement Physical Science is an open enrollment class designed for those students who are interested in taking a more challenging science class at the ninth grade level. The class introduces physics and chemistry and includes special projects and speakers 20% of class time will be spent in laboratory experiences; therefore, it will count as a lab science toward graduation. This class includes the required component of a science project, which must be presented and defended in a competition.

Lab Science Prerequisites

All third year science courses require a passing grade in Physical Science and Biology as a prerequisite for taking the course. It is imperative that students make up these credits before their junior year if a student has failed a semester of either of these courses during their Freshman or Sophomore year. Students need to be proactive in making up these credits via night school, summer school, etc.

The exception to this rule is for students who are on an Advanced College Prep Pathway and/or students who are taking these courses concurrently with a third

year course with instructor approval. Students must get a signed note from the instructor in order to take third year courses concurrently with a freshman or sophomore level course.

Biology

1 Lab Science Credit
Grades 10 -12

Students are presented with methods of investigating and exploring the biology of cells, genetics, classification and characteristics of living organisms, and ecology. 20% of class time will be spent in laboratory related activities. Requirements include special projects. Successful completion of two semester's work will satisfy one credit of laboratory science.

Biology Honors

1 Lab Science Credit
Grades 10-12

Prerequisite: A grade of "B" or better in Physical Science or teacher recommendation

This class prepares the student who will enter college and prepares them for more advanced study. This class presents the main principles of biology largely from the perspective of molecular biology and focuses on structures such as cells and genes and the process related to them. The course then progresses to organs and systems because all of the parts and their processes ultimately are exhibited in the entire organism. Biology looks at the nature of science and asks students to use the intellectual tools of inquiry that are common to all of science. Classroom activities include lecture and 40% of class time will be spent in laboratory activities, for which a lab composition book is required. Successful completion of two semester's work will satisfy one credit of laboratory science. Course requirements may include special projects.

Advanced Placement Biology

1 Lab Science Credit
Grades 11-12

Fee: \$20.00

Prerequisite: Physical Science and teacher recommendation

This course is a college equivalent experience with strong emphasis on laboratory activities. The purpose of this course is to prepare students for the Advanced Placement Biology test administered in the spring. A student's score on the AP exam may allow the student to earn college credit and waive certain college requirements. The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. This course differs from regular biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students. Labs are intended to challenge students' abilities to understand problems, develop and implement appropriate experimental designs, manipulate data, draw conclusions,

think analytically and develop hypotheses. Students are challenged from the important areas of chemistry, cell structure, and function, energy transformation, molecular genetics, heredity, plant structure and physiology, animal structure and physiology and ecology. Students enrolled in AP Biology should schedule five hours a week of unsupervised study time.

Chemistry

1 Lab Science Credit

Lab Fee: \$20.00

Prerequisite: Physical Science, Biology, Algebra 1 passed with a “C” or above. (Students must be concurrently enrolled in Algebra 2 or higher)

This course is designed for the college-bound student. Fundamental concepts will be covered, including basic problem solving skills, naming and writing chemical formulas, and predicting reaction products. The second semester will include a study of stoichiometry, kinetics, solutions, gas laws, molecular geometry, equilibrium and acid-base systems. Activities include lecture, computer presentations, using Excel to produce data tables and graphs, classroom work, homework, and laboratory experiments. Successful completion of two semesters satisfies one of the credits of laboratory science required for graduation. A non-programmable scientific calculator is required for all tests. Prerequisites: Physical science, Algebra 1 passed with a C or above. (Students should be concurrently enrolled in Algebra II or higher)

Advanced Placement Chemistry

1 Lab Science Credit

Lab Fee: \$20.00

Prerequisite: Chemistry, Algebra 2

This course is a college equivalent experience that builds on concepts presented in the Chemistry class. The second semester includes the study of reaction kinetics, equilibrium, thermodynamics and acid-base systems. There is a strong emphasis on laboratory activities and problem solving techniques that will prepare students for the nationally administered AP Chemistry exam as well as the SAT Chemistry test. A favorable score on the AP Chemistry exam may allow a student up to eight hours of college classroom and laboratory credit. Students enrolled in AP Chemistry should expect to do a minimum of eight hours of work outside the class each week, including participation in study groups. Participation in some evening laboratory activities is required.

Environmental Science

1 Lab Science Credit

Grades 11 – 12

No Lab Fee

Prerequisite: Passing grade in Physical Science and Biology

A college preparatory course this class is designed to be a student-centered inquiry into the levels of organization of populations, communities, and the biosphere. Students are presented with methods of investigating and testing their own environment. These investigations utilize many testing methods

applicable to technical occupations in the environmental science fields. 20% of the class time will be spent in lab related activities. Course requirements may also include special projects. Successful completion of two semesters of work will satisfy one credit of laboratory science required for graduation.

Advanced Placement Environmental Science

1 Lab Science Credit

Teacher Recommendation)

Prerequisites: Physical Science, College Prep Biology, and Algebra 1

Grades 11-12

This course involves the study of earth systems and resources, including ecosystems, biogeochemical cycles, the earth's human population trends, land and water use, energy resources, consumption, and pollution. The course will also explore current policy and management of these issues. It will also examine the connections among Earth Science, Ecology, Geology, Physical Science, Chemistry, and Biology. Students should be prepared to participate in community involvement, project-based field study investigations, and off campus instruction.

Forensic Science

1 Lab Science Credit

Grades 11-12

Prerequisite: Must have a C grade or better in Physical Science,

Biology, and Algebra I

Lab Fee: \$20

This course is designed to examine the types of physical, chemical, geological, and biological evidence that is collected, examined and evaluated at a crime scene that can be used in a court of law. Biological evidence will include hair, blood, fibers, pollen and spores, fingerprints as well as DNA analysis and DNA profiles. Chemical evidence studied will be toxic substances, poisons, powders and over the counter drugs. Physical evidence will be handwriting analysis, counterfeiting, blood spattering, glass and tracks. Soil analysis will also be introduced. There is an average of 55 – 60 laboratory assignments, many with reports that follow a specific format.

A long-term assignment on the decomposition of tissue is required.

Geology/Astronomy

1 Lab Science Credit

Grades 11-12

Fee: \$20.00

Prerequisite: Must have a C grade or better in Physical Science, Biology, and Algebra I.

This is a college preparatory introductory course with one semester of Astronomy (1/2 credit) and one semester of Geology (1/2 credit). The Astronomy section (1st semester) includes a history of astronomy and our solar system, stellar

evolution, a study of the stars and our sun, observational equipment, and galaxy formation.

The Geology (2nd semester) includes the study of minerals and rock types, elements of erosion, volcanism, plate tectonics, geologic formations and strata and a brief history of the earth. In addition, mapping skills will be taught and utilized on all field excursions.

Human Anatomy/Physiology I

1 Lab Science Credit

Grades 11-12

Fee: \$20.00

Prerequisite: Passing grade in Physical Science and Biology

This class is designed for the college bound student with an interest in the medical field. The student will be exposed to important medical terminology including prefixes, suffixes, and word roots and the fundamental structure and function of the human body. Successful completion of two semesters will satisfy one Lab Science credit. Students should expect three to four hours of homework per week. This course is a prerequisite for Human Anatomy/Physiology II.

Healthcare Occupations

1 Science Credit

Grades 11 - 12

Fee: \$20.00

Prerequisite/: Human Anatomy/Physiology I.

This college preparatory course is a continuation of Human Anatomy/Physiology I. In the fall semester the student will have the opportunity to explore the structure and function of the more complicated systems of the human body. In the spring semester emphasis will be placed on the pathophysiology of all systems. Practical medical procedures will also be introduced.

Physics

1 Lab Science Credit

Grades 11-12

Fee: \$20.00

Prerequisite: Passing grade in Physical Science and Biology, concurrently enrolled in Algebra 2 or higher.

This course is designed to prepare students for first-year college level physics. The areas of study include Newtonian mechanics, energy, thermodynamics, light, electricity, and magnetism. Emphasis is on problem solving with demonstrations, projects, and laboratory activities. Successful completion of two semesters' work will satisfy one credit of laboratory science. A scientific calculator will be required.

Advanced Placement Physics I

1 Lab Science Credit

Grades 11-12

Fee: \$20.00

Prerequisite: Passing grade in Physical Science and Biology, concurrently enrolled in Calculus or higher.

Students complete a comprehensive course covering the fields of Newtonian mechanics, thermodynamics, electricity, magnetism, light, optics, nuclear and modern physics. The course is designed to prepare students for the Advanced Placement Exam in Physics, and to prepare those who anticipate careers in science or engineering. Activities include demonstrations, problem solving techniques, projects and appropriate laboratories. A student's score on the AP exam may allow the student to earn college credit or waive certain college requirements. Students should expect five hours of unsupervised work per week study time.

Advanced Placement Physics (C) Mechanics

1 Lab Science Credit

Grades 11 – 12

Fee: \$20.00

Prerequisites: AP Calculus and instructor permission.

AP Physics C is a calculus based physics course emphasizing the principles of mechanics, electricity, and magnetism that will form a foundation for college studies in science, engineering and technology. The course is rigorous and will require the student to be highly motivated and to spend 5 to 10 hours out of class weekly doing coursework. The course will be designed to prepare the student for the AP Physics C test offered at the end of the school year and will meet all of the College Board requirements. Students will be required to have a graphing calculator available.

Intro to Engineering – Power and Energy I

1 Science Credit

Grade 9 - 12

This class is a lab science credit. This course engages students in a variety of hands-on, authentic projects to learn about energy and power methods through the design and construction of motors, pumps, heat exchangers, hydraulics and pipeline systems. These are the technologies used in large power plant systems to run and maintain processes in energy generation plants. Through contextual projects, students will learn and apply physics, chemistry, fluid mechanics, thermodynamics, algebra and statistics in learning how these systems interact in the energy and power arena. Students will learn how engineers and technicians use these systems in the real world to optimize efficiency.

Energy Transmission and Distribution – Power and Energy II

1 Science Credit

Grades 10 - 12

This class is a lab science credit. The course continues from Energy and Power Foundations to consumer usage and includes the introduction to AC/DC power, transformers, the electrical grid and Smart Grid, and consumer load on

the electrical system. Students use Ohm's Law, Joules Law of heating, the Root Mean Square Law, the Pythagorean Theorem and trigonometric principles to understand how energy travels along power lines and is converted from direct current to alternating current to end up, ultimately, in homes and businesses. Students gain a conceptual understanding of how power companies move power, stepping it up and down to meet the needs of the end- user by designing working transformers, capacitors, inverters, and a power supply.

Horticulture/Agriculture Courses

AgriScience I

1 Lab Science Credit
Grades 9 - 12
Fee: \$10.00

Students will be introduced to the diversity of agriculture in New Mexico and will begin the study of basic animal, plant and crop sciences, plus careers and management of natural resources, pests, and communications in agriscience. Leadership will be taught through FFA related activities such as judging contests, public speaking, and parliamentary procedure. Agriculture and science are natural partners; therefore, focus will be on the application of scientific principles and emerging technologies in an agricultural enterprise. Meets one year of high school lab science requirement. Freshman must concurrently be enrolled in Physical Science or other Lab Science. Membership in *FFA is optional.

AgriScience II

1 Lab Science Credit
Grades 10-12
Fee: \$10.00
Prerequisites: AgriScience I or two other science classes or teacher permission.

This class will include advanced studies in animal, plant, and crop sciences such as anatomy, physiology, nutrition, genetics, reproduction, marketing, communications, and others. Expanded areas from AgriScience I will be covered. Students must complete any special projects required by the Science Department to meet one year of high school lab science requirement. *FFA is optional.

Horticulture Science I

1 Lab Science Credit
Grades 9 -12
Fee: \$10.00

Horticulture is the science and art of growing fruits, vegetables, flowers, and ornamental plants. Students will gain experience in basic botany; identification of landscape, tropical, floral, and edible crops; plant production by sexual and asexual methods; basic soil chemistry; transplanting; artificial and soil growing

media; plant nutrition; insects and diseases; basic residential landscape design; pruning; turf management; and basic leadership skills. Class work includes a minimum of 54 days of laboratory activities. Extensive use of the Farmington High School Greenhouse is included. Sophomore students must complete any special projects required by the Science Department. Meets one year of high school lab science requirement. Freshman must concurrently be enrolled in Physical Science or another Lab Science. Membership in *FFA is optional.

Horticulture Science - Greenhouse Operations & Management/Floriculture

1 Lab Science Credit

Grades 10 -12

Fee: \$10.00

Greenhouse Operations & Management (.50 credit)

The first semester will be an intensive practice in greenhouse operations as the student will be exposed to: greenhouse structures, greenhouse environmental control, plant processes, growth regulators, growing media, pests, pesticide safety, record keeping and production of poinsettias, and other crops. This class will be responsible for care and management of all crops grown in greenhouses. Sophomore students must complete any special projects required by the Science Department. Completion of Greenhouse Operations & Management satisfies 1/2 credit of Lab Science.

Horticulture Science - Nursery Operations/Landscaping & Technical Skills

1 Lab Science Credit

Grades 10 -12

Fee: \$10.00

Nursery Operations (1/2 credit)

The first semester emphasizes the production of perennial plants and containerized plants. It also includes advanced study into soils, plant growth and nutrition, identification, propagation, pest control, nursery field practices, and the storing, grading, and marketing of nursery stock. Use of greenhouses and surrounding facilities will be used for hands-on experience. Sophomore students must complete any special projects required by the Science Department. Completion of Nursery Operations satisfies 1/2 credit of lab science.

Horticulture Science – Special Topics

1 Lab Science Credit

Grades 11-12

Fee: \$10.00

Prerequisites: Horticulture Science or AgriScience 1, *and* one advanced horticulture course or AgriScience 2. Instructor signature required.

This junior or senior level class studies contemporary topics in ornamental horticulture, biotechnology, environmental science, agriculture and ecology through current readings, presentations, research papers, and field trips. This course is recommended for students who plan on going on to college.

****FFA is the largest youth organization in the world and is a part of the instructional program of the Agriculture/Horticulture Department. As a member of FFA, students will have an opportunity to develop leadership skills in public speaking and parliamentary procedure and will also participate in various judging contests through the state.***

Science Lab Assistant

See Course Description Under Office Aides

Social Studies

NM History

.5 Social Studies Credit

Grade: 9

NM History is a required credit for all students graduating in 2009 and after. The course is one semester long and will examine and research the social, political and economic history of New Mexico primarily in the 20th Century. It will analyze include significant patterns and turning points since statehood in 1912.

Advanced Placement Human Geography

1 Social Studies Credit; Completion of course will fulfill the NM History requirement

Grade: 9

Prerequisite: At least a B average in "core" (required) academic courses to date. This course is an accelerated course that incorporates the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the earth's surface. Students will employ spatial concepts and landscape analysis to investigate human social organizational and environmental consequences. Students will also earn their New Mexico History credit in this class.

Principles of Democracy

1 Social Studies Credit

Grade: 12

This course will provide students with knowledge of the United States Government and enable them to participate effectively in civic life in America. Students will examine fundamental constitutional principles; the organization of government at the federal, state, and local level; the rights and responsibilities of citizenship; the policy-making process; political parties and elections; comparative government and foreign policy; and the American economic system. Successful completion of the course meets the Government/Economics graduation requirement.

Advanced Placement United States Government & Politics

1 Social Studies Credit

Grade: 12

As an Advanced Placement course, this course will focus on the various institutions, groups, beliefs, and ideas that constitute United States politics. Students will gain an analytical perspective on government and politics in the United States both by studying the general concepts used to interpret U.S. politics and by analyzing specific examples. Students will learn how to analyze and interpret basic data relevant to US government and politics and will write extensively to perfect their essay writing and critical thinking skills. This course can be taken as an elective course if the United States Government and Economics graduation credit has been satisfied. Students are expected to take the College Board Advanced Placement Examination. Successful completion of the course meets the Government/Economics graduation requirement.

United States History/Geography

1 Social Studies Credit

Grade: 11

This is a survey course that focuses on the historical development of American ideas and institutions from the period of Reconstruction to the present. Students will obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States history. Successful completion of the course meets the U.S. History graduation requirement.

Advanced Placement United States History/Geography

1 Social Studies Credit

Grade: 11

As an Advanced Placement course, this course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with problems in U.S. History. Students will learn how to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. Students will write extensively to perfect their essay writing and critical thinking skills. This course can be taken as an elective course if the United States History graduation credit has been satisfied. The student taking this course is expected to take the College Board Advanced Placement Examination. Successful completion of the course meets the U.S. History graduation requirement.

World History/Geography

1 Social Studies Credit

Grade: 10

This is a survey course in which students will use skills of historical and geographical analysis to explore the early history of the world and the historical development of people, places, and patterns of life globally from the European Renaissance and Reformation to the present. Successful completion of the course meets the World History/Geography graduation requirement.

Advanced Placement World History

1 Social Studies Credit

Grade: 10

AP World History is a rigorous course in which students go beyond a general understanding of world history, and is designed to provide the student with analytical skills and factual knowledge necessary to deal critically with the thematic issues and historical documents within each periodization in global history. This course can also be taken as an elective course if the Modern World History graduation credit has been satisfied. The student taking this course is expected to take the College Board Advanced Placement Examination. Successful completion of the course meets the World History/Geography graduation requirement.

Social Studies Electives

Navajo History/Government

.5 Elective Credit

Grades 9 -12

The diversity of the cultures of the Native American tribes is the focus. Topics of study include: the history, leaders, cultural mores and taboos, customs, legends, economic development, and the problems faced by a traditional society in a modern world. The course requires oral presentations, research, group discussions, and written reports.

Sociology

.5 Elective Credit

Grade: 9-12

This survey course in sociology will focus on the study of human behavior, especially the origins, organization, institutions, and development of human society as groups engaging in-group activities.

Student Leadership I, II, III, IV

1 Elective Credit

Grades 9 -12

Students enrolled are nominated by teachers to serve in student government at Farmington High School. This curriculum includes leadership skills, goal setting, project planning and parliamentary procedure. Students perform the duties of student government and participate in the New Mexico Association of Student Councils. **Enrollment is limited to students who have been elected by their classmates** to serve in a leadership role in student government. Student Leadership II, III and IV are for students elected to Student Senate for the second, third or fourth year. A behavior responsibility contract between the student, parents and school is required. **Extensive out of class work is required.**

Mock Trial

.5 Elective Credit

Grade: 9 - 12

The students learn proper court proceedings and “try” several cases prepared for their use. Students will have the opportunity to work as witnesses and attorneys learning legal terms. This course emphasizes creativity, critical thinking, organization, and high-level evaluation of situations. There will be training in the Fall in Albuquerque and a competition in the Spring as well. This class is NMAA approved and students must maintain a 2.0 in order to compete in the competitions.

Psychology

.5 Elective Credit

Grade: 9-12

In this survey course, students will be introduced to the scientific study of behavior and mental processes, and the emotional and behavioral characteristics of individuals, groups, or group activities.

Gifted Enrichment and Freshmen Enrichment (Gifted Only)

1 Elective credit

Grade: 9-12

Prerequisite: student must be on a Gifted IEP

The FHS Enrichment Seminar is designed for students in all years (9-12) in need of enrichment or advancement as it pertains to their IEP goals or other advanced academic need not being met in another general education course. We have at least one Freshmen only Enrichment course in order to meet the specific transitional and adjustment needs of Gifted Freshmen, but all other classes are mixed age groups. This seminar will be both a course focused on developing critical thinking, research and interpersonal learning skills as well as a course individually catered to the needs of the student or to their Individual Educational Plan. The course will teach students how to become more successful in school by identifying and developing habits, motivations, organizational, study skills and goal setting strategies. Students will identify poor habits, organizational and study skills, develop plans for changing behavior and implement strategies for success. Additionally students will be given the opportunity to conduct both qualitative and quantitative research for either an independent study or for use in academic competitions such as Science Fair, National History Day, Knowledge Bowl, Destination Imagination or English Expo. Finally, students will be given assistance in college/career planning as it pertains to their year of study. Generally, students will be grouped in courses based on year of study.

Advanced Placement Capstone

The AP Capstone Program is an innovative program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of a two-course high school sequence: AP Seminar and

AP Research, and is designed to complement and enhance the in-depth discipline-specific study provided through AP courses. AP Seminar and AP Research cultivate curious, independent, and collaborative scholars and prepares them to make logical and evidence-based decisions. Also, students who complete the program can earn a specialized diploma upon high school graduation. This specialized diploma sets students apart from their peers as they seek college admissions and better prepares them for rigorous college courses. In order to earn the diploma students must:

- Enroll in and pass both the AP Seminar and AP Research courses
- Take and pass both the AP Seminar and AP Research exams
- Take and pass at least 4 other AP exams

Advanced Placement Seminar (year one)

1 Elective Credit

Grades 10-12

AP Seminar is the first of two courses in the AP Capstone™ program. AP Research is the second course. If you earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choosing, you will receive the AP Capstone Diploma™. This signifies outstanding academic achievement and attainment of college-level academic and research skills.

Alternatively, if you earn scores of 3 or higher in AP Seminar and AP Research only, you will receive the AP Seminar and Research Certificate™. Note: AP Seminar is only available to students whose school is participating in the AP Capstone program.

Advanced Placement Research (year two)

1 Elective Credit

Grades 11-12

AP Research is the second course in the AP Capstone™ program. AP Seminar is a prerequisite for AP Research. If you earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choosing, you will receive the AP Capstone Diploma™. This signifies outstanding academic achievement and attainment of college-level academic and research skills.

Alternatively, if you earn scores of 3 or higher in AP Seminar and AP Research only, you will receive the AP Seminar and Research Certificate™. Note: AP Research will only available to students whose school is participating in the AP Capstone program.

Test Prep

.5 Elective Credit

Grade: 9-12

This course will help prepare students for national standardized tests such as the PSAT, SAT, ACT, PARCC and NMSBA. 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. We will also use this class for general college and career information and planning. We would work with the FACE office for this component of the course.

Driver's Education

.5 Elective Credit

Grades 9 - 12

All individuals under the age of 18 who desire a New Mexico driver's license must take the classroom portion of Driver's Education. Students must be at least 15 years of age by the time the course begins to enroll. This class meets the New Mexico State requirements of 60 classroom hours and includes the DWI requirement. Students must complete 56 hours and pass with an 80% to receive the certificate needed to then take the Provisional test given by the Department of Motor Vehicles. This class is conducted 0 hour (class begins @ 7:00 am and 3:20pm) Students will register for this class on a "first come-first served" basis after the beginning of the school year. Announcements will be made regarding sign-up procedures. Good attendance is mandatory for this class per the rules and regulations set forth by the State of New Mexico. If a student has 3 absences for non-school related reasons, (being sick is NOT a school related reason) the student will be dropped from the class and WILL NOT receive credit or a certificate of completion, again, this is per State mandate.

Dual Credit Courses at FHS (depending on teacher availability)

SJC Dual Credit Basic Welding I and II

SJC Dual Credit Beginning Drawing I and Beginning Drawing II

SJC Dual Credit College Success Strategies

SJC Dual Credit Interpersonal Communication

SJC Dual Credit Introduction to Interior Design

SJC Dual Credit Introduction to Sociology and Social Problems

ENMU Dual Credit Culinary Essentials I and II

ENMU Dual Credit Animal Science and Intro to Horticulture