



GRADUATION REQUIREMENTS

The minimum requirements for graduation from high school as adopted by the Board of Trustees of the Antelope Valley Union High School District are as follows:

REQUIRED SUBJECTS	
English 9, 10, 11, 12	40 Credits (4 years)
Mathematics (must include Algebra 1 or higher)	30 Credits (3 years)
Science (Physical & Life Science required)	20 Credits (2 years)
Social Science	30 Credits (3 years)
Including: World History	(10 th grade/10 credits/1 year)
United States History	(11 th grade/10 credits/1 year)
Civics/Economics	(12 th grade/10 credits/1 year)
Visual and Performing Arts or Foreign Language	10 Credits (1 year)
Healthful Living	10 Credits (1 year)
Physical Education (required for 9 th and 10 th grades)	20 Credits (2 years)
Electives	<u>70 Credits</u>
TOTAL UNITS OF CREDIT REQUIRED FOR GRADUATION:	230 UNITS MINIMUM

MINIMUM PROFICIENCY STANDARDS:

All students must demonstrate prescribed levels of proficiency in the basic skills of reading, written expression, and mathematics before graduation by passing the **California High School Exit Exam**. In accordance with California Education Code, students must pass Algebra 1 or a higher level math class in order to receive a high school diploma.

CLASSROOM CITIZENSHIP REQUIREMENTS:

1. If a student receives more than three "U" grades he/she shall be ineligible for school activities for the quarter following that grading period. There will be no makeup for the "U" in citizenship.
2. A senior must meet citizenship eligibility requirements in the final two quarters of their senior year in order to participate in graduation ceremonies. Administration reserves the right to deny participation in graduation ceremonies, per board policy, to students with significant discipline concerns.

ATHLETICS/ACTIVITIES ELIGIBILITY

1. Student must have at least a "C" Grade Point Average (2.0 GPA) as of the last quarter.
2. Student must have a satisfactory citizenship grade (no more than two "U" grades) in a grading period.

ASSOCIATED STUDENT BODY OR CLASS OFFICE ELIGIBILITY

1. Student must maintain a 2.5 GPA.
2. Student must have a satisfactory citizenship grade (no more than two "U" grades) in a grading period.

Revised 2/3/2010

University of California

Subject Requirements A-G

a- History/Social Science - 2 years required

Two years of history/social science, including one year of World History, Cultures and Geography; and one year of U.S. History or one-half year of U.S. History and one-half year of Civics or American Government.

b- English - 4 years required

Four years of college-preparatory English that include frequent and regular writing, and reading of classic and modern literature. Not more than two semesters of ninth-grade English or no more than one year of ESL-type courses can be used to meet this requirement.

c- Mathematics - 3 years required, 4 years recommended

Three years of college-preparatory mathematics which include the topics covered in Elementary and Advanced Algebra and two- and three-dimensional Geometry. Approved Integrated Math courses may be used to fulfill part or all of these requirements, as may math courses taken in the seventh and eighth grades that your high school accepts as equivalent to its own math courses.

d- Laboratory Science - 2 years required, 3 years recommended

Two years of laboratory science providing fundamental knowledge in two of these three core disciplines: Biology (which includes Anatomy, Physiology, Marine Biology, etc.), Chemistry and Physics. The final two years of an approved three-year integrated science program may be used to fulfill this requirement. Not more than one year of ninth-grade laboratory science can be used to meet this requirement.

e- Language Other than English - 2 years required, 3 years recommended

Two years of the same language other than English. Courses should emphasize speaking and understanding, and include instruction in grammar, vocabulary, reading, composition and culture. Courses in a language other than English taken in the seventh and eighth grades may be used to fulfill part of this requirement if your high school accepts them as equivalent to its own courses.

f- Visual and Performing Arts (VPA) - 1 year required

Two semesters of approved arts courses from a single VPA discipline: Dance, Drama/Theater, Music or Visual Art.

g- College Preparatory Electives - 1 year required

One year (two semesters), in addition to those required in "a-f" above, chosen from the following areas: Visual and Performing Arts (non-introductory level courses), History, Social Science, English, Advanced Mathematics, Laboratory Science and language other than English (a third year in the language used for the "e" requirement or two years of another language).

BEHAVIORAL SCIENCE DEPARTMENT

HEALTHFUL LIVING

Open to Grade: 9

Prerequisite: None



Healthful Living is a general health class based on the philosophy that both prevention and rehabilitation are important to lifelong wellness. The course offers enriching experiences for the pupil to recognize the extensive techniques available to deal with teenage experiences such as low self-esteem, stress, peer pressure, substance use and abuse, teenage sexuality, and decision-making leading to constructive life goals. Additional health subjects, such as character development, nutrition and eating disorders, diseases, personal relationships, human reproduction, sexually transmitted diseases, and child abuse, are taught with the emphasis on the practical aspects of adjusting healthfully to life experiences. Students are encouraged to discuss the various healthful living topics with their families.

PSYCHOLOGY

Open to Grades: 11, 12

Meets UC/CSU Elective Requirement

Prerequisite: None



The primary objective of this course is to give the students a broad overview of the behavior of organisms, of which man is but one. Students are encouraged to read extensively in one or more areas of interest. Emphasis is on group discussions, panel discussions, research projects, and classroom activities.

PSYCHOLOGY AP

Open to Grades: 11, 12

Meets UC/CSU Elective Requirement

Prerequisite: Teacher Recommendation

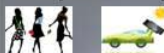






The purpose of the Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of the behavior and mental process of human beings and other animals. Students are exposed to the psychological facts, principals, and phenomena associated with each of the major sub-field within psychology. They also learn about the methods psychologists use in their science and practice.

Digital Design and Engineering Academy

The Digital Design and Engineering Academy represent a high school reform movement that is focused on smaller learning communities with a career theme. Academy components include rigorous academics and career technical education, with a career focus, a committed team of teachers, and active business and post-secondary partnerships. Emphasis is also placed on student achievement and positive postsecondary outcomes. Academies have been carefully evaluated and shown to have positive impacts on school performance. The integration of a standards-based academic and career-technical curriculum is a key ingredient. Students will follow distinct career pathway choices as well as core classes that support those pathways. Career choices include, Engineering (The creative application of scientific principles to design or develop structures, machines, apparatus, or manufacturing processes), Video and Broadcasting Production, Graphic Design (Book and magazine Layouts, business logos and advertisement), Fashion and Room Design, Video Game Design, Web Design, Computer Generated Animation for the Entertainment Industry including 2D and 3D Animation, and Simulation software development (for Business, Military, Law, Science, and Medical Industries).

Recommended sequence of career pathway choices

Digital Design and Engineering Academy Career Pathways				
Graphic Design 	Engineering 	Animation/Simulation 	Game Design 	Video/Broadcasting Production 
Multimedia 1/ Yearbook 1/ Web Design 1	Introduction to Engineering Design	Multimedia 1	Multimedia 1	Multimedia 1
Multimedia 2/ Yearbook 2/ Web Design 2	Digital Electronics	Multimedia 2	Multimedia 2	Intro to Video Production
Web Design 3/ Yearbook 3	Principles of Engineering	AP Computer Science (Recommended)	Video Game Design 1	Video Production 1
Yearbook 4/ Web Design 4	Aerospace Engineering	Video Game Design 1	Video Game Design 2	Video Production 2
Video Game Design (For High End Graphics)	AP Computer Science (Recommended)	Video Game Design 2		

MULTIMEDIA CONTEMPORARY DESIGN I

Open to Grades: 9-12

Meets UC/CSU Fine Arts requirement.

Prerequisite: Basic computer skills.



This course will introduce students to digital design. Focus will be placed on introducing the student to art, design, and the technologies of this new media. Upon completion of this course, students should be able to create fashion, room and car illustrations for their portfolios. Animation in 2-D format and its application in current industries will be an integral part of the class. Introduction to 3-D format background and character development will be incorporated, as well. In addition, other forms of multimedia will be explored including film analysis and rudimentary shot techniques using video cameras and digital photography. This integrated curriculum forms a solid groundwork from which students may build upon in Multimedia Contemporary Design II and is the first sequence of classes in the Interactive Media Technology Pathway. This multimedia class has been structured to reflect the California Career Technical Education Standards, the California Challenge Standards for Visual Arts, and the National Education Technology Standards.



MULTIMEDIA CONTEMPORARY DESIGN II

Open to Grades: 10-12

Meets UC/CSU Elective requirements.

Prerequisites: Multimedia contemporary Design I or permission Mrs. Garmon

This is the second year course for Multimedia Contemporary Design I. Learn advanced 2-D animation. Explore the world of 3-D computer animation, including time and space in the digital 3-D environment, animation concepts and techniques in 3-D computer space. Learn how to make the background and characters for the games you want to create. Build interactive programs for simulation, training, education, and entertainment. Create animated advertisement for the Internet. Learn to produce graphic designs for all types of industries including fashion, room design, and product design. We also learn the impact of photography and advance photography manipulation. This multimedia class has been structured to reflect the California Career Technical Education Standards, the California Challenge Standards for Visual Arts, and the National Education Technology Standards.



WEB MANAGER I (Web Design I)

Open to Grades: 9-12

Prerequisites: Students with previous Web Design credits welcomed.

Web Design investigates the concepts and techniques that are essential to planning, creating, testing, publishing, and maintaining Web sites. Challenging hands-on activities build Web research skills and design awareness, and encourage critical thinking about current Web design. Students will learn basic html structure and formatting, web page creation using Macromedia Dreamweaver, and image creation and alteration using

Adobe Photoshop and Flash. This class explores digital image creation and manipulation as an important skill set that enables beautiful websites using graphic design, print design, and digital photography. This class has been structured to reflect the California Career Technical Education Standards, the California Challenge Standards for Visual Arts, and the National Education Technology Standards.

WEB MANAGERS 2, 3, 4 (Web Design 2, 3, and 4)

Open to Grades: 10-12

Prerequisites: Web Design I or permission of instructor



These courses offer the essentials for a web design course that will appeal to students with technical or artistic talents. Artists learn how to use advanced visual design tools of Macromedia CS as well as Adobe software; programmers learn how to use different programming tools to build a site through server applications. Students will learn in a hands-on, interactive environment. Students will learn the advanced elements of a web site, how to view and alter the structure, how to make pages interact with databases, XML, multimedia tools and more. In addition, students will work on the school website as well as creating advanced websites for clients. Exploration of best practices/issues for web design and publishing and careers in web development and e-commerce are explored in depth. There is an exciting future in web design, don't miss out. This class has been structured to reflect the California Career Technical Education Standards, the California Challenge Standards for Visual Arts, and the National Education Technology Standards.

VIDEO GAME DESIGN 1 and 2 (1 year course each, 2 period class 5th and 6th periods)

Open to Grades: 10-12

This course is offered through the ROP program.

Prerequisite: Multimedia 1 or permission of Mrs. Garmon.



Are you ready to take on a challenge that will always be interesting, push you to your intellectual limits, and still be fun? Video Game Design and Development is challenging, but the rewards are worth it. With our unparalleled comprehensive training program, you will master skills that open doors to the growing video game industry. Developing and managing the complex environments for games and related visualization applications is a challenging task, but with the right training and with professional guidance, the challenge becomes much less daunting. Using a comprehensive and analytical approach to game engine architectures, this program offers students the opportunity to learn how to effectively implement game ideas. A reasonable familiarity with computers and a background in high school level mathematics are all that is assumed. No prior game or graphics programming experience are necessary. The curriculum is divided into eight modules covering five major areas of study: programming languages, mathematics skills, 3D graphics pipeline programming, real-time game engine architectures, and artificial intelligence algorithms. The Video Game Design and Development program is an appropriate starting point for students who seek a professional career as a game developer or would like to learn how to create simulation programs for all industries. This class has been structured to reflect the California Career Technical Education Standards, the California Challenge Standards for Visual Arts, and the National Education Technology Standards.

INTRO VIDEO PRODUCTION

Open to Grades: 9-12

Prerequisite: None



This course is a basic introduction to video production, equipment and production methods to complete a program for broadcast on school broadcasting system. Students will learn job descriptions, responsibilities, and the logistics of coordinating a production including hiring crew. Students will change roles throughout the class to gain experience in all aspects of video production while acquiring hands-on experience with the equipment. The focus of the course is to make students competent planning a production. Students will learn how to take an idea and move it through production. They will set up an interview and document an event and learn how to budget and schedule a crew. Students will learn basic equipment systems and practices, and gain fundamental, hands-on experience with camera, lighting, audio and editing systems. This class has been structured to reflect the California Career Technical Education Standards, the California Challenge Standards for Visual Arts, and the National Education Technology Standards.

VIDEO THEORY AND PRODUCTION (Formerly Video Production)

ROP, One-Year Course, 20 Credits

Double-Period Course

Located at Antelope Valley High School, Highland High School, and Knight High School

Open to Grades: 11 and 12



This course provides instruction and training for students interested in careers related to video production and post-production. Students who achieve competency in this course will develop knowledge and skills in principles and elements of video production and post-production, both from the theory, performance and technical aspects, and will be prepared for entry-level employment. Entry-level positions include video equipment technician, assistant editor, production supervisor, and assistant producer. This Video Theory and Production course introduces students to digital video cameras, computers and related software to edit and apply effects. Students study the theoretical aspects through the variety of reading and multimedia materials, as well as work on a variety of projects including commercials, documentaries, music videos and personal/historical biographies.

AP COMPUTER SCIENCE A

Open to Grades: 10-12

Meets UC/CSU requirements.

Prerequisite: None



The AP Computer Science course is an introductory course in computer science. This course should be considered as integral to the Engineering and Video Game Design Academy pathways. Because the development of computer programs to solve problems is a skill fundamental to the study of computer science, a large part of the course is built around the development of computer programs or parts of programs that correctly solve a given problem. The course also emphasizes the design issues that make programs understandable, adaptable, and when appropriate, reusable. Students build their own

application software using C++ and Java. In addition, an understanding of the basic hardware and software components of computer systems and the responsible use of these systems are integral parts of the course.

YEARBOOK 1, 2, 3, and 4

Open to Grades: 9-12

Prerequisite: Must submit an application, be ready for an interview and get permission from Mrs. Baxter.



Yearbook members are responsible for accurately covering the major school events and functions. They must also create a publication that the student body can cherish for a lifetime. This course is an elective that requires a commitment. Students are requested to attend after school meetings during the course of the year. The course involves layout design, writing, and editing, computer/graphic design using InDesign and PhotoShop CS2. The course emphasizes responsible work habits while allowing the young journalist the opportunity to learn and grow through this hands-on process. Students learn more than yearbook fundamentals. They learn: time management, become self-starters, delegate responsibility, demonstrate knowledge, share resources, and motivate co-workers. Students are expected to sell advertising and participate in fundraising.

PROJECT LEAD THE WAY ENGINEERING PATHWAY

INTRODUCTION TO ENGINEERING DESIGN

Open to Grades 9-12

Prerequisites: Requires concurrent enrollment in college preparatory math course (Algebra 1, Geometry, Algebra 2, or higher)

This project base course teaches problem-solving skills using a design development process. Students learn to make visual representations of their product solutions by hand and using Autodesk Inventor, a solid modeling computer software. Students keep a portfolio of their work and at the completion of each project present their final design to the class. Most projects end at the design stage, but some will actually be built in class. Students are also introduced to engineering related careers.

DIGITAL ELECTRONICS

Open to Grades 9-12

UC /CSU Elective Credit pending approval

Requires Project Lead The Way application

Pre-Req: Intro. To Engineering Design or instructor approval and successful completion of Algebra1.

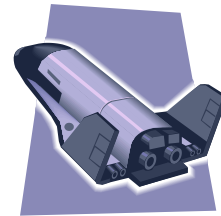
Digital Electronics is one of the foundation courses in the Project Lead The Way, Engineering Program. Students use computer simulation to learn about the logic of electronics as they design, test, and actually construct circuits and devices.

PRINCIPLES OF ENGINEERING

Open to Grades 10-12

Prerequisites: Requires concurrent enrollment in college preparatory math course (Algebra 1, Geometry, Algebra 2, or higher)

In this course students explore various technology systems such as simple machines, electrical systems, and control systems. They study motion and forces. They also learn about the properties, manufacturing and testing of various materials. Students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes discussion about consequences of technological change. Example projects include building a ping-pong ball launcher, constructing bridges, and creating a device that will sort marbles.



AEROSPACE ENGINEERING

Open to Grades: 11-12

Prerequisites: Successful completion of at least 1 Engineering course and/or instructor approval.

Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering. This includes making gliders, testing airfoils in a wind tunnel, launching model rockets and programming intelligent robots.

ENGLISH DEPARTMENT

ENGLISH 9

Required class for 9th graders

Meets UC/CSU English Requirement

Prerequisite: None



At the beginning level of high school English, students, through the study of literature, develop skills in higher order reading comprehension, language usage and writing, literacy analysis, critical thinking, speaking and listening, and academic research. The difference between English 9 and subsequent English courses lies in the length, complexity, sophistication and range of course materials.



ENGLISH 9 HONORS

Replaces English 9

Meets UC/CSU English Requirement

Prerequisites: Standardized test score in reading of 9.0 or above, and recommendation of English Language Arts teacher.

This course covers the same materials as required in English 9. In addition, literacy analysis is begun. Writing emphasis is on the format essay. Students should request a letter of recommendation from their 8th grade Language Arts teacher before the end of April.



ENGLISH 10

Required class for 10th graders

Meets UC/CSU English Requirement

Prerequisite: English 9

At the second level of high school English, students, through the study of literature, develop skills in higher order reading, comprehension, language usage and writing, literary analysis, critical thinking, speaking and listening, and academic research. The difference between English 10 and subsequent English courses lies in the length, complexity, sophistication and range of course materials.

ENGLISH 10 HONORS

Replaces English 10

Meets UC/CSU English Requirement

Prerequisites: English 9 Honors or teacher/guidance counselor placement, ability to read above grade level and a grade of A or B in English 9. Summer reading/assignment will be required.

At the second level of high school English, students, through the study of literature, develop skills in higher order reading, comprehension, language usage and writing, literary analysis, critical thinking, speaking and listening, and academic research. The difference between English 10 Honors and subsequent English courses lies in the length, complexity, sophistication and range of course materials.

ENGLISH 11

Open to Grade 11

Meets UC/CSU English Requirement

Prerequisite: None



In English 11, students continue to develop and refine essential skills in reading, writing, speaking and listening. Through the study of core works of American fiction, nonfiction, public documents and technical texts, students will develop proficiency in reading for a variety of purposes. By interpreting and creating texts in response to the literature, students will come to understand, participate in, and contribute to a common literary and cultural heritage. Students will learn to analyze texts from the literature and the real-life world (such as newspapers, journals, and essays) and cogently express applications to their own lives through writing and speaking. By applying and generating technical texts, students will develop competencies that will prepare them for life in the workplace. Additionally, they will exercise and refine their abilities to speak to different audiences for a variety of purposes. The difference between English 11 and subsequent courses lies in the length, complexity, sophistication, and range of source materials.

LANGUAGE & COMPOSITION AP

Open to grade: 11

Meets UC/CSU English Requirement

Prerequisite: English 9 Honors and English 10 Honors or teacher/guidance counselor placement, willingness to test for AP, completion of summer reading and reading ability above grade level. There is a fee for the AP test.

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as they way generic conventions and the resources of language contribute to effectiveness in writing. This course is also designed to prepare the student to achieve success on the Advance Placement Examination in English Language and Composition administered by the College Board.

ENGLISH 12

Open to grade: 12

Meets UC/CSU English Requirement

Prerequisite: None



In English 12, students continue to develop and refine essential skills in reading, writing, speaking and listening. Through the study of core works of world fiction, nonfiction, supplementary and technical texts, students will develop proficiency in reading for a variety of purposes. By interpreting and creating texts in response to the literature, students will come to understand and appreciate their shared humanity. Students will learn to analyze texts from the world of literature and the real-life world (such as newspapers, journals, and essays) and cogently express applications to their own lives through writing and speaking. By applying and generating technical texts, students will develop competencies that will prepare them for life in the workplace. Additionally, they

will exercise and refine their abilities to speak to different audiences for a variety of purposes. The difference between English 12 and previous English courses lies in the length, complexity, sophistication, and range of source materials.

THE BIBLE AS LITERATURE

English 12 (Bible and Literature)

Open to Grade: 12

Prerequisite: Must have a “C” or better in English 11

Meets A-G UC/CSU requirements



The Bible is presented as a major, classic literary foundation piece of Western Civilization. It is studied as the basis of a shared Judeo-Christian heritage within which many of the laws and mores of Western Civilization find their origins. It is studied, also, as primary source material for a vast array of literary allusions in classic and modern literature. Students should be prepared to do a great deal of study, writing and critical thinking. Extended reading lists include college-recommended material containing the allusions and references covered in class. This is an excellent support class for A.P. and Honors English classes and for serious students of literature. The literature of the Old Testament and its historical surroundings will be presented first semester, while the New Testament will be the focus of the second semester.

LITERATURE & COMPOSITION AP

Open to grade: 12

Meets UC/CSU English Requirement

Prerequisite: English 9 Honors, English 10 Honors, English 11 AP or teacher/guidance counselor placement, willingness to test for AP, completion of summer reading and reading ability above grade level. There is a fee for the AP test.

Through a study of English and Continental literature from the 16th century to the present, the student will refine skills of literary analysis and criticism, writing, speaking, listening, academic research and close reading for meaning and significance. Students will read extensively from a wide variety of literary works, some of which are taught in college-level English courses. Regular in-depth discussion, analysis and interpretation of challenging works will lead the student to an enriched understanding of our common cultural heritage with peoples of the world. This course is also designed to prepare the student to achieve success on the Advanced Placement Examination in English Literature and Composition administered by the College Board.

EXPOSITORY/ READING and WRITING PROGRAM

Open to grade: 12

Meets UC/CSU English 12 Requirements

The goal of the Expository Reading and Writing Course is to prepare college-bound seniors for the literacy demands of higher education. Students in this yearlong, rhetoric-based course develop advanced proficiencies in expository, analytical, and argumentative reading and writing. Students will be expected to increase their awareness of the rhetorical strategies employed by authors, and to apply those strategies in their own writing. They will read closely to examine the relationship between an author's argument or theme and his or her audience and purpose, to analyze the impact of structural and rhetorical strategies, and to examine the social, political, and philosophical assumptions that underlie the text. By the end of the course, students will be expected to use this process independently when reading unfamiliar texts and writing in response to them. Course texts include contemporary essays, newspaper and magazine articles, editorials, reports, biographies, memos, assorted public documents, and other non-fiction texts. The course materials also include modules on two full-length works (one novel and one work of non-fiction).

JOURNALISM

Open to Grade: 10-12

This course will introduce students to the exciting and challenging world of Modern Journalism. Students will learn the rudiments of news writing, editing, and layout and design. They will also learn the responsibilities of news writers to society, including discussions of law and ethics. Students will analyze and discuss online newspapers and blogs with the goal of creating and maintaining a professional-looking news site for the school. This course requires a commitment beyond the classroom. Students are requested to attend after school meetings during the course of the year and participate in fundraising and the selling of advertising. Students are expected to be self-starters, responsible, and possess excellent writing skills as the course is writing intensive with strict deadlines. The rewards will be well worth the labor as students will be able to pride themselves on establishing a professional publication for Knight High School.

CREATIVE WRITING

Open to grade: 10-12

Prerequisite: Must have a "C" or better in previous English Class

Meets UC/CSU Elective Requirements

Creative Writing is an elective course designed to introduce students to the composition of poetic, narrative, and dramatic forms of writing. Students will practice writing poems, prose, short stories, novels, creative nonfiction narratives/memoirs, and dramatic scenes. Students will also analyze published works in the various genres.

LITERACY SUPPORT I

Open to grade: 9, 10

A course designed to address the academic needs of students who score far below and below basic on the California State Standards test. Read 180, a reading intervention program, is used to diagnose, monitor and assess student progress throughout the school year.

LITERACY SUPPORT II

Open to grade: 9, 10

Literacy Support II is a class designed to provide additional support in Language Arts for students who score below basic on the California State Standards Test. Using the Holt Supplemental materials, students receive additional instruction in reading, writing, grammar, spelling and literary response and analysis. This class is available to ninth and tenth grade students.

ENGLISH LANGUAGE DEVELOPMENT (ELD)

English credit is given for Beginning and Early Intermediate ELD. Elective credit only is earned in Intermediate ELD and the students in Intermediate ELD will be concurrently enrolled in the appropriate English class.

EL is a course for students whose primary language is not English and whose English skills are below level 4 (fluent) on the Language Assessment Survey. EL addresses student needs in self-esteem, adjusting to American culture, and in understanding, speaking, reading, and writing Standard American English.

BEGINNING ELD: Through language experience and other natural approach activities, students will experience instructional activities that integrate language and culture. Students will participate in basic conversations, and will generate simple sentences and short paragraphs.

EARLY INTERMEDIATE ELD: The students will acquire skills needed for conversing and writing in English. Students will write a paragraph demonstrating knowledge of Standard English grammar, punctuation, and tense. Through a study of literature and the core curriculum, students will increase comprehension skills.

FOREIGN LANGUAGE DEPARTMENT



FRENCH 1

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisite: None

Introductory French; academic course fulfilling UC or CSU foreign language requirement.



FRENCH 2

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Recommend a grade of “C” or better in French 1 or Teacher approval.

This course consists of a series of linguistic activities and cultural topics, which enable the student to communicate about daily activities at a functional level. These activities are chosen for their personal significance to the students, thereby providing an aspect of spontaneity to the communication. At the end of the course, the student will be able to understand, speak, read, and write about basic daily activities and make themselves understood by sympathetic French speakers. This course is a continuation of language skills and concepts experienced in French 1.



FRENCH 3

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Recommend a grade of “C” or better in French 2 or teacher approval.

This course consists of a series of linguistic activities and cultural topics, which enable the student to communicate at an increased level of fluency. These activities are chosen for their personal significance to the students as well as their contribution to language acquisition. At the end of this course, the student will be able to understand, speak, read, and write about daily activities and make themselves understood by French speakers.



SPANISH 1

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisite: None

Introductory Spanish; academic course fulfilling UC or CSU foreign language requirement. This class is not for native speakers.

SPANISH 2

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Recommend a grade of “C” or better in Spanish 1 or teacher approval.

This course consists of a series of linguistic activities and cultural topics, which enable the student to communicate about daily activities at a functional level. These activities are chosen for their personal significance to the students, thereby providing an aspect of spontaneity to the communication. At the end of the course, the student will be able to understand, speak, read, and write about basic daily activities and make themselves understood by sympathetic Spanish speakers. This course is a continuation of language skills and concepts experienced in Spanish 1.

Bienvenidos

SPANISH 3

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Recommend a grade of “C” or better in Spanish 2 or teacher approval.

This course consists of a series of linguistic activities and cultural topics, which enable the student to communicate about daily activities at a semi-fluent level. These activities are chosen for their personal significance to the students. At the end of this course, the student will be able to understand, speak, read, and write about daily activities and make themselves understood by sympathetic Spanish speakers.



SPANISH LANGUAGE AP

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Recommend a grade of “C” or better in Spanish 2 or teacher approval also, willingness to take the Spanish Language AP exam. There is a fee for the AP exam.

At the AP level of Spanish, students, through the study of Spanish literature, develop skills in higher order reading, comprehension, language usage and writing, literary analysis, critical thinking, speaking and listening. Students in this course are preparing for the Spanish AP test.

SPANISH LITERATURE AP

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Recommend a grade of “C” or better in Spanish 2 or teacher approval also, willingness to take the Spanish Literature AP exam. There is a fee for the AP exam.

The AP Spanish Literature course is designed to provide students with a learning experience equivalent to that of a third-year college course in Peninsular and Latin American literature. The course is designed to introduce students to the formal study of a representative body of Peninsular and Latin American texts.

Readings are selected from 7 centuries of literature, including the Medieval and Golden Age, Nineteenth-Century and Twentieth Century Literature.



SPANISH 1 for Spanish Speakers

Replaces Spanish 1

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Must be fluent in Spanish, teacher/guidance counselor approval, and placement based on test scores.

This course is for students who are native speakers. Through the study of Spanish literature, students develop higher order skills in reading, comprehension, language usage and writing, literary analysis, speaking and listening.

SPANISH 2 for Spanish Speakers

Replaces Spanish 2

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Must be fluent in Spanish, teacher/guidance counselor approval, and placement based on test scores.

This course is for students who are native speakers. Through the study of Spanish literature, students develop higher order skills in reading, comprehension, language usage and writing, literary analysis, speaking and listening.



SPANISH 3 for Spanish Speakers

Replaces Spanish 3

Open to Grades: 9-12

Meets UC/CSU Language Other Than English Requirement

Prerequisites: Must be native Spanish Speaker, teacher approval, and placement based on test scores.

This course is for students who are native speakers. Through the study of Spanish literature, students develop higher order skills in reading, comprehension, language usage and writing, literary analysis, speaking and listening.

MATHEMATICS DEPARTMENT

The KHS math department only offers math courses that are accepted for university admittance, along with the support classes to help students successfully complete those courses. Remember, successful completion of Algebra 1 or a higher-level math course is required to earn a diploma. The KHS math department believes that students must have a firm grasp of Algebra before they begin their study of Geometry, so most students will take Algebra 1 and 2 before they enroll in Geometry.

ALGEBRA 1

Open to Grades: 9–12

Meets UC/CSU Math Requirement

Prerequisite: None



This gateway math course is based on the California Algebra 1 Standards. Algebra 1 is the foundation for all math courses. Successful completion of this course allows a student to proceed to Geometry or Algebra 2, which are the prerequisites for Trigonometry/Pre-Calculus and Calculus. Freshman who either do not pass both semesters of Algebra 1, or pass both semesters with D's, will have to repeat the course their sophomore year, and will also be enrolled in a CAHSEE Prep class. Students learn how to solve (and graph) equations and systems of equations. Students use the quadratic formula and factoring to solve real life problems. Students also learn how to use all of the four math operations to solve problems with rational expressions. Algebraic properties are introduced throughout the course.

ALGEBRA 1 SUPPORT

Open to Grades: 9 (other grades with teacher approval)

Elective Credit

Prerequisite: Currently enrolled in Algebra 1



This course is designed to support students in their Algebra 1 class. Teachers use a variety of instructional strategies to emphasize the work students are doing in their Algebra 1 class. Students also cover CAHSEE standards and review math concepts.

CAHSEE SUPPORT

Open to Grades: 10–12

Elective credit, unless concurrently taking Algebra 1 for no credit.

Prerequisite for sophomores: Currently enrolled in Algebra 1

Prerequisite for juniors and seniors: Have not passed the math portion of the CAHSEE.

This course covers the CAHSEE Math Standards. (Sophomores will also receive support in working with the Algebra 1 Standards.) Students will use computers and/or written assignments to review those standards. They will also do many of the released CAHSEE items and other questions provided by supplemental materials to prepare for the CAHSEE.



GEOMETRY

Open to Grades: 9–12

Meets UC/CSU Requirements

Prerequisites:

- **Grade 9 – Completed an Algebra 1 program that covered systems of equations, radicals, exponents and solving quadratic equations, with a minimum grade of “B”. (Most freshmen meeting these prerequisites will be placed in Algebra 2.)**
- **Grade 10 – Obtained a grade of “C” or higher in an Algebra 1 course. (Most sophomores meeting this prerequisite will be placed in Algebra 2.)**
- **Grades 11 and 12 – successful completion of Algebra 1 and 2.**

This math course is based on the California Geometry Standards. It provides the formal development for students who take advanced math courses. Students will use their Algebraic skills to work with fundamental geometric concepts; such as logical proof, properties of points, lines, planes, angles, circles, triangles and polygons. Students will also learn how to determine the geometric measurements of perimeter, area and volume.

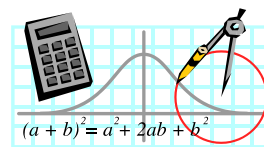
ALGEBRA 2

Open to Grades: 9 – 12

Meets UC/CSU Requirements

Prerequisites:

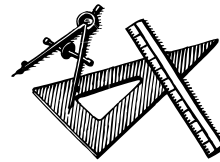
- **Grade 9 – Completed an Algebra 1 program that covered systems of equations, radicals, exponents and solving quadratic equations, with a minimum grade of “B”, and have their 8th grade teacher’s recommendation.**
- **Grade 10 – Obtained a grade of “C” or higher in an Algebra 1 course. (Students who passed Algebra 1 with grades of less than “C” in either semester of Algebra 1 will be placed in an Algebra 2 course with smaller class sizes.)**
- **Teacher recommendation for grades 11 – 12.**



KHS offers two ways of completing Algebra 2. Both courses cover the same standards, and both take the same district tests.

- Algebra 2 in a small class environment. Students who receive one “C” and one “D” in Algebra 1 are placed in an Algebra 2 class limited to approximately 25 students.
- Regular Algebra 2

This math course is based on the California Algebra 2 Standards. Algebra 2 provides the math foundation for Geometry and Trigonometry/Pre-Calculus. Students learn how to solve (and graph) systems of equations. Students use the quadratic formula and factoring to solve real life problems. Students also learn how to solve logarithmic and exponential functions, as well as use complex numbers and the binomial theorem. Probability and Statistics are also introduced.



ALGEBRA 2 / TRIGONOMETRY HONORS

Open to Grades: 10, 11, 12

Meets UC/CSU Math Requirement

Prerequisites: Grade of A or B in both Algebra 1 and Geometry, as well as a teacher / counselor recommendation

This course covers all of the essential topics of Algebra 2 and Trigonometry/ Pre-Calculus in an advanced and accelerated manner. This course complements and expands the mathematical topics of Algebra 1 and Geometry. This course also develops a students understanding of the trigonometric functions and applications of trigonometry. This course covers all of the California Algebra 2 and Trigonometry Standards, as well as several California Probability and Statistic Standards. Students receiving grades of “C” or higher may be recommended for Calculus AB, AP.

GEOMETRY/ TRIGONOMETRY

Open to Grades: 10, 11, and 12

Meets UC/CSU Math Requirement

Prerequisites: Grade of A or B in Algebra 2 and teacher / counselor recommendation



This course covers all of the essential topics of Geometry and Trigonometry / Pre-Calculus in an advanced and accelerated manner. This course continues the development of mathematics introduced in Algebra 1 and Algebra 2. Geometric concepts are introduced early and receive attention for much of the year. A heavy emphasis is placed on trigonometry: trigonometric functions, their inverses, and graphs, along with applications. Practice in the fundamental skills of algebra, geometry, and trigonometry is provided while additional topics are introduced and practiced. Problem solving is an important part of this course. This course covers the essential California Geometry and all of the California Trigonometry Standards. Students receiving grades of “C” or higher may be recommended for Calculus AB, AP.



TRIGONOMETRY/ PRECALCULUS

Open to Grades: 11, 12

Meets UC/ CSU Math Requirement

Prerequisites: A grade of C or better in Geometry and Algebra 2 or teacher/ counselor recommendation

Trigonometry topics include periodic functions, circular functions, graphs, identities, polar coordinates, complex numbers, and analytic geometry. Pre-Calculus topics include linear and quadratic functions, polynomial functions, exponents, and logarithms, vectors and determinants, sequences and series, and matrices. This course covers all of the California Mathematics Academic Standards (1998) for Trigonometry, Probability and Statistics, Math Analysis and Linear Algebra. Students receiving grades of “C” or higher may be recommended for Calculus AB, AP.



INTRODUCTION TO PROBABILITY AND STATISTICS

Open to Grade: 12

Meets UC/CSU Math Requirement

Prerequisites: Passing grade in Algebra 1 and teacher/ counselor recommendation

Introduction to Probability and Statistics is an introductory course to the tools of statistics. This basic course in statistics is to introduce students to statistical ideas and their impact on everyday life and future fields of study. Students are exposed to four broad conceptual themes: Producing Data, Organizing Data, Chance and Inference.

STATISTICS AP

Open to grades: 11, 12

Meets UC/CSU Math Requirement

Prerequisites: A or B in Geometry and Algebra 2, or teacher/counselor recommendation and a willingness to take the AP Statistics exam. There is a fee for the AP exam.

AP Statistics is an advanced placement course available to students who have successfully completed Algebra 2. This course prepares the student for the College Board Advanced Placement Statistics Test. Students who successfully complete this course and examination may receive credit for a one-semester introductory college statistic course. This non-calculus-based course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

CALCULUS AB-AP

Open to Grades: 11, 12

Meets UC/CSU Math Requirement

Prerequisites: Completion of Algebra 2/ Trig or Geometry/ Trig with a C or better or teacher/counselor recommendation and a willingness to take the Calculus AP exam. There is a fee for the AP exam.

AP Calculus is an advanced placement course available to students who have successfully completed trigonometry. This course introduces students to both differential and integral calculus. This course prepares students for the College Board Advanced Placement Calculus Test. Students who successfully complete this course and examination may receive credit for a one-semester course in introductory college calculus.

CALCULUS BC-AP

Open to Grade: 12

Meets UC/CSU Math Requirement

Prerequisites: Completion of Calculus AB-AP with a C or better or teacher/counselor recommendation and a willingness to take the Calculus AP exam. There is a fee for the AP exam.

AP Calculus is an advanced placement course available to students who have successfully completed the first year of Calculus. This course continues the study of both differential and integral calculus. This course prepares students for the College Board Advanced Placement Calculus Test. Students who successfully complete this course and examination may receive credit for a one-semester course in college calculus.

CONSUMER MATH

Open to Grades: 12

****This is an Online Course****

Consumer Math is a year-long course that teaches students necessary math concepts in dealing with decisions as consumers. This course requires the use of basic computational skills and Algebraic reasoning. Use of the calculator is encouraged as a problem solving tool. This course emphasizes the use of math in concrete, everyday situations. It uses examples related to consumer applications and personal financial management to increase student knowledge in these areas, and to help them develop their ability to apply math concepts and procedures to real world problems. Students will complete ten units of study in the OdysseyWare Consumer Math Course.

MATH TUTOR

Open to Grades: 11, 12

Prerequisites – Successful completion of Algebra 2 or higher math course.

Students must be willing to attend training in AVID tutoring techniques prior to the start of school. Requires signature of math teacher.

This elective course is for students who would like to tutor freshmen students in an Algebra 1 support class. Each tutor will work with a small group of students during a regular period each day. Students will assist freshmen using AVID tutoring techniques.

PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION 1

Open to Grade: 9

Prerequisite: None



This required class provides training in the basic motor skills used in various sports as well as intensive physical fitness training. Students will prepare for, and perform, state mandated physical fitness testing. Activity units may include basketball, cardiovascular fitness/movement skills, flag football, handball, soccer, volleyball, and fitness for life.

NOTE: Student's grade is based on dressing out and participation.

PHYSICAL EDUCATION 2

Open to Grade: 10

Prerequisite: None



This required class provides opportunities to study the advanced skills and strategies of specific sports while continuing to improve individual fitness. Activity units may include weight lifting, flag football, volleyball, softball, soccer, dance, and basketball. Students are required to pass two years of Physical Education for graduation.

P.E. – WEIGHT TRAINING

Open to Grades: 11, 12



The Physical Education Weight Training is for students who wish to demonstrate knowledge and competency in motor skills, movement patterns and strategies needed to perform a variety of physical activities. This class focuses on achieving a level of physical fitness for health and performance while demonstrating knowledge of fitness concepts, principles, and strategies. Additionally, students will study and be able to demonstrate knowledge of psychological and sociological concepts, principles, and strategies as they apply to learning and performance of physical activity.



P.E. ATHLETICS

Open to Varsity Athletes only with coaches' approval

PE athletics requires the signature of the Head Coach. You must be a Varsity Athlete who will participate in conditioning and skill development with your Coach. It should be noted that your Coach must have a sixth period prep and have made a commitment to working with you on their prep year round.

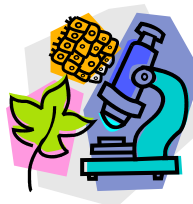
SCIENCE DEPARTMENT

BIOLOGY

Open to Grades: 9-12

Meets UC/CSU Lab Science Requirement

Prerequisite: None



Biology is a general Life Science course with a Lab. It covers the structure and function of cells, genetics, ecology, some physiology and evolution. This course meets the "D" (Lab Science) requirement for admission to UC/CSU schools. It is recommended that students take Biology before Anatomy/Physiology or Marine Biology.

BIOLOGY AP

Open to Grades: 10-12

Meets UC/CSU Lab Science Requirement

Prerequisites: "B" or better in Biology (Chemistry recommended) or with teacher/counselor recommendation; also, willingness to take AP exam. There is a fee for the AP exam.

This course is intended to be representative of a first year college biology class. Emphasis is on understanding Biology at the molecular level and corresponding labs. This course is also designed to prepare students to achieve success on the Advanced Placement Examination in Biology administered by the College Board.

MARINE BIOLOGY

Open to Grades: 10-12

Meets UC/CSU Lab Science Requirement

Prerequisite: Grade of "C" or better in previous science course.



This course meets high school requirements for graduation as life science. Marine Biology provides an alternative to Biology fulfilling those requirements for graduation in the context of Marine Biology. This course will provide an extensive science foundation for secondary study in the fields of Hydro-culture, Oceanography, Marine Ecology, Ichthyology, Limnology, and technical fields such Water Treatment and Offshore Oil

Refining. The course will consist of components such as The Tides, Water, The Shoreline, Tide Pools, Invertebrate Animals, Vertebrate Animals, Marine Mammals, Estuaries, Coral Reefs, Open Ocean/Deep Ocean. The course emphasizes in depth study with problem solving and synthesis, critical thinking, hands-on manipulation and observation, computer modeling, and career pathway foundations. Laboratory investigations will make up a bulk of class time. Students will be evaluated by examination, independent and group projects, through independent and group assignment of responsibilities, laboratory analysis, and oral and written presentation.

FORENSIC BIOLOGY

Open to grades: 11-12

Meets UC/CSU College Preparatory Elective Requirement

Prerequisite: C or better in Biology; C or better in Chemistry, C or better in Algebra and Geometry; Successful completion or concurrent enrollment in Physics or AP Biology/AP Chemistry strongly recommended.

Forensic Biology is an advanced and rigorous science course for the college bound individual that covers the broad field of forensics with an emphasis on the biological aspects. It is a project-centered class that will provide students the opportunity to work collaboratively to design and implement original scientific ideas and write a professional-style paper. Forensics is inquiry-based and laboratory intensive and will require students to use their past scientific knowledge to solve problems, analyze and apply scientific data, design experiments, use computers to monitor progress, and give a professional presentation.

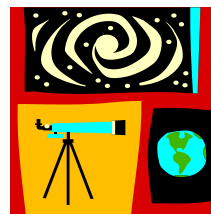
Due to the nature of this course, all applicants are required to fill out a questionnaire that will be submitted to a panel of science teachers for candidate selection.

EARTH SCIENCE

Open to Grades: 9, 10, 11, 12

Meets UC/CSU Elective Requirement

Prerequisites: None



Earth Science is a general Physical Science course. It covers the structure and function of rocks and the earth. Other topics include: the solar system, weather patterns, volcanic activity and plate tectonics. This class may include some field trips for field geology and map-making and map-reading skills.

CHEMISTRY

Open to Grades: 10, 11, 12

Meets UC/CSU Lab Science Requirement

Prerequisite: Algebra I with a "C" or better or teacher/guidance counselor approval. Recommend completion of or concurrent enrollment in Algebra II.



Chemistry is a college preparatory physical science course meeting the requirements of the University of California. Theoretical, quantitative, and laboratory approaches are used so the student may understand the basic concepts of chemistry. Students will need a calculator for homework.



CHEMISTRY AP

Open to Grades: 11-12

Meets UC/CSU Lab Science Requirement

Prerequisite: C or Better in Chemistry and willingness to take the Chemistry AP exam. There is a fee for the AP exam.

The Advanced Placement Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Advanced Placement Chemistry is an in depth study of the chemical nature of matter, its composition and its chemical and physical changes. Mathematics is used to gain a better understanding of the chemical concepts studied.

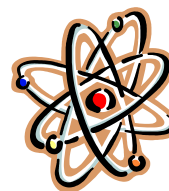
Laboratory experimentation is extensive and comprehensive, and involves the application of chemical concepts and qualitative and quantitative laboratory methods at the college level.

PHYSICS

Open to Grades: 10-12

Meets UC/CSU Lab Science Requirement

Prerequisite: C or better in Algebra II



Physics is a lab science course surveying motion and forces, energy and momentum, heat and thermodynamics, waves and optics, and electronic and magnetic phenomena. The course is designed to meet the needs of a wide variety of individuals. It is a rigorous course for the college bound individual pursuing a career in math, science or engineering. It may also be useful for students intending to attend a trade or technical school, or pursuing a career in a technical field after graduation.

ANATOMY & PHYSIOLOGY

Open to grades: 11-12

Meets UC/CSU Lab Science Requirement

Prerequisite: C or better in Biology; Successful completion of Chemistry recommended.

Anatomy and Physiology is an advanced science course which is designed for the more motivated student of biology. The student should be capable of performing in an independent as well as small-group laboratory setting. The fields of inquiry will be: the scientific method, growth, development, genetics, and the anatomy and physiology of the nine systems of the human body.

RECOMMENDED SCIENCE MODEL

	GRADUATION or COMMUNITY COLLEGE		4-year COLLEGE			4-year COLLEGE for SCIENCE MAJORS
FRESHMAN YEAR	Biology or Earth Science	↓	Earth Science	Biology	↓	Biology
SOPHOMORE YEAR	Biology or Earth Science		Biology	Chemistry		Chemistry
JUNIOR YEAR	No science required		Chemistry	Physics		Physics and Science Elective
SENIOR YEAR	No science required		Science Elective	Science Elective		2 Science Electives

SCIENCE ELECTIVES: Marine Biology, Physics, Forensic Biology, Anatomy and Physiology, AP Biology*, AP Chemistry*

*college level course, have the opportunity to acquire college credit based on AP Test results

SOCIAL SCIENCE

WORLD HISTORY

Open to Grade: 10

Meets UC/CSU Social Science Requirement

Prerequisite: None



Students in grade ten study major turning points that shaped the modern world, from the late eighteenth century through the present, including the cause and course of the two world wars. Students will trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Students will extrapolate from the American experience that democratic ideals are often achieved at a high price, remain vulnerable and are not practiced everywhere in the world. Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives.



WORLD HISTORY AP

Open to Grade: 10

Meets UC/CSU Social Science Requirement

Prerequisite: Minimum of “B” in current English class and willingness to take the AP World History exam. There is a fee for the AP exam.

AP World History is a two-semester course that surveys World History from 8000 BC to the present. It meets the California State Social Studies requirement for World History. The course is made up of college level curriculum that will prepare students to take the AP World History examination in May and the chance to earn college credit if a passing score is achieved. Students wishing to take the test for credit will need to pay a fee. The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

US HISTORY

Open to grade: 11

Meets UC/CSU Social Science Requirement

Prerequisite: None



Students in grade eleven study the major turning points in American history in the twentieth century. Following a review of the nation's beginnings and the impact of the Enlightenment on U.S. democratic ideals, students build upon the tenth grade study of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society, the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes in historical events. They learn that the United States has served as a model for other nations and that the rights and freedoms we enjoy are not accidents, but the results of a defined set of political principles that are not always basic to citizens of other countries. Students understand that our rights under the U.S. Constitution are a precious inheritance that depends on an educated citizenry for their preservation and protection.

US HISTORY AP

Open to grade: 11

Meets UC/CSU Social Science Requirement

Prerequisite: Recommendation of World History Teacher, and willingness to take the US History AP exam. There is a fee for the AP exam.



The AP program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials- their relevance to a given interpretive problem, their reliability, and their importance- and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

US GOVERNMENT & POLITICS AP

Open to Grade: 12

Meets UC/CSU Social Science Requirement



AP US Government and Politics is a college level course that provides students an opportunity to earn college credit through an AP exam given in May. The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. The goals of this course are for students to understand and comprehend important facts, concepts, and theories pertaining to our country's democratic political system. Students will be able to understand typical patterns of political processes and behavior and their consequences. Students will also be able to analyze and interpret basic data relevant to U.S. government. Students should be able to use such data to understand the changes in spending, voting behaviors, interest groups, roles in government, social programs & economic policymaking in our country's 200 plus year history. The course covers Constitutional Underpinnings, Separation of Powers, Federalism, Political Beliefs, Political Parties, Interest Groups, Mass Media, Branches of Government, Public Policy, Civil Rights, Civil Liberties, and many other topics in line with the A.P. Test. The course will also require readings from sources other than the textbook, such as the Federalist Papers and document readers (these will be provided to the students). There will also be many court cases covered in this class, for example: United States v. Lopez, Miranda v. Arizona, and Roe v. Wade. This course will also include some sort of individual and/or class community service project.

CIVICS

Open to Grade: 12

Meets UC/CSU Social Science Requirement

This is a semester class to be preceded or followed by Economics

Students in grade twelve pursue a deeper understanding of the institutions of American government. They compare systems of government in the world today and analyze the history and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judiciary branches of government. An emphasis is placed on analyzing the relationship among federal, state, and local governments, with particular attention paid to important historical documents such as the Federalist Papers. These standards represent the culmination of civic literacy as students prepare to vote, participate in community activities, and assume the responsibilities of citizenship.

ECONOMICS

Open to Grade: 12

Meets UC/CSU Social Science Requirement

This is a semester class to be preceded or followed by Civics



In addition to studying and understand the United States system of Government in grade twelve, students will also develop a thorough understanding of the principles of economics. Students will understand fundamental economic concepts, the principals of micro- and macro-economics, as well as economic applications to both consumers and producers within the economic system. There will be a study of the nature and functions of product markets, the role of government policy in the economy, national income and price-level determination, the concepts of supply and demand, inflation, and debt. These economic principals will be interpreted in both the public and private sector. Many of these concepts will be studied in a historical context.

FINE ARTS

ART 1

Open to Grades: 9-12

Meets UC/CSU Fine Arts Requirement

Prerequisite: None



Students will learn the elements of art which consist of the basic components used by the artist when producing works of art. Those elements are color, value, line, shape, form, texture, and space. The elements of art are among the literal qualities found in any artwork. Students will also learn the principles of art. This refers to the different ways that the elements of art may be used in a work of art. Artists "design" their works to varying degrees by controlling and ordering the elements of art. To do this, they use such principles as balance, coherence, emphasis (or dominance), harmony, pattern, proportion, rhythm, unity, and variety.

There is a \$20.00 lab fee for materials for the year.

ART 2

Open to Grades: 10-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Art 1 or teacher / counselor placement

For students who have a definite interest or growing commitment to art making. Art 2 is both rigorous and demanding with written and artistic interpretation and more complex works that focus on media, process and refinement. Art 2 students will continue their development in the production of art through Drawing and Painting, with an additional emphasis on art history and criticism.

There is a \$20.00 lab fee for materials for the year.



AP STUDIO ART: Drawing Portfolio

Open to grades: 11-12

Prerequisite: Complete 2 years of Art and have teacher recommendation; also, willingness to complete AP Studio Art Portfolio. There is a fee for the AP scoring.

This program is intended for highly motivated students committed to serious study in art. AP work involves significantly more time than most art courses. The program is not intended for casually interested students.

Students will work toward a final goal of producing a portfolio for submission to the College Board. A successful portfolio review will provide students with college credit. This portfolio will contain three sections reflecting quality, concentration and breadth. Students may use a variety of techniques including photography, drawing, painting, ceramics and sculpture.

In order to be considered for AP Studio Art, students must have completed two years of art and/or provide teacher recommendation.

There is a \$40.00 lab fee for materials.

AP STUDIO ART: 2D Portfolio/Photography

Open to grades: 11-12

Prerequisite: Complete one year of photography and have teacher recommendation; also, willingness to complete AP Studio Art Portfolio. There is a fee for the AP scoring.

This program is intended for highly motivated students committed to serious study in art. AP work involves significantly more time than most art courses. The program is not intended for casually interested students.

Students will work toward a final goal of producing a portfolio for submission to the College Board. A successful portfolio review will provide students with college credit. This portfolio will contain three sections reflecting quality, concentration and breadth.

In order to be considered for AP Studio Art, students must have completed two years of art and/or provide teacher recommendation.

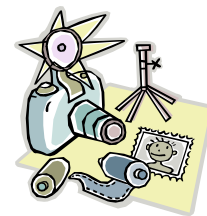
There is a \$40.00 lab fee for materials.

PHOTOGRAPHY 1

Open to Grade: 11, 12

Meets UC/CSU Fine Art Requirement

Must have instructors permission if not 11 or 12 grade



Photography 1 is an introduction to the art of photography. This class combines the technical and artistic skills necessary to become a skilled photographer. Students who complete Photo1 will learn: How to use film and digital cameras, how to develop black and white film, basic Photoshop skills, the history of photography, photographic styles and major photographers. Having your own SLR camera is recommended, but not required.

There is a \$30.00 lab fee for materials for the year.

PHOTOGRAPHY 2

Open to Grade: 11, 12

Meets UC/CSU Fine Art Requirement

Prerequisite: Must have completed Photography 1



Photography 2 is an advanced photography course. This course will provide students with opportunities to extend and advance their knowledge and skills in the field of photography. This course will familiarize the student with advanced photographic equipment, materials, methods, and processes. It will also require the student to produce digital images using computers.

Students in Photography 2 must have completed Photography I.

There is a \$40.00 lab fee for materials for the year.

CERAMICS 1

Open to Grades: 10-12

Meets UC/CSU Fine Art Requirement

Prerequisite: None



This course is intended for those studying ceramics for the first time. It is a comprehensive introduction to the craft of clay working. *It is recommended that the student take Art 1 prior to registering for Ceramics 1.*

There is a \$40.00 lab fee for materials for the year.

CERAMICS 2

Open to Grades: 10-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Ceramics 1

Continued exploration of basic hand building and wheel throwing techniques. Emphasis on developing proficiency in clay use, surface applications, and kiln firings.

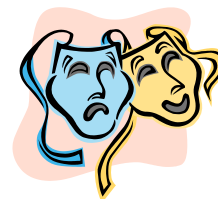
There is a \$40.00 lab fee for materials for the year.

DRAMA 1

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: None



Drama 1 is an introductory course in acting, technical theater and performing arts. This is a performance-based class. Students must have a "C" average in order to perform.

DRAMA 2

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Drama 1



Drama 2 is an intermediate course in acting, technical theatre, theatre appreciation and performing arts. This is a performance-based class. Students must have a C average in order to perform.

DRAMA 3

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Drama 2

Drama 3 is an intermediate course in acting, technical theatre, theatre appreciation and performing arts. This is a performance based class. Students must have a C average in order to perform.

CONCERT BAND

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: None

Little or no previous instrumental band experience required. Members are required to participate in performances.



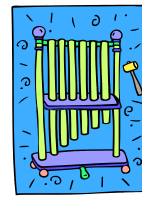
MARCHING BAND

Open to Grades: 9-12

Prerequisites: Pre-season attendance (1 week extensive band training session)

And audition by band director.

Students will learn a variety of music including traditional marches, rock charts, and school spirit songs. Students are required to participate in all performances. There is also a required summer band training session. This course has a fee required for uniform materials, which the pupil keeps for his/her personal use. Members are required to participate in all performances. 2nd Semester of P.E. is required. 1st semester Marching Band may be used for 5.0 credits of P.E.



PERCUSSION

Open to Grades: 9-12

Prerequisite: Band director approval. Members are required to participate in all performances.

Students will learn music theory, reading, and performance techniques necessary to perform percussion ensemble music. Instruments studied in this class are mallet instruments, bass drum, snare drum, timpani, steel drum and a variety of other percussion equipment. Students are required to participate in all performances.



ADVANCED PERCUSSION

Open to Grades: 9-12

Prerequisite: Band director approval. Members are required to participate in all Performances.

Students will learn drum-line music and perform within the Marching Band. Students are required to participate in all performances.



SYMPHONIC BAND

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Band director approval. Members are required to participate in all Performances.

Advanced instrumental wind and brass students will develop their sight-reading skills, instrument technique, and musicality. Students are required to participate in all performances, including concerts and adjudicated festivals. Because of the high caliber of music performed, there are some after-school rehearsals.



STRING ORCHESTRA

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Band director approval. Members are required to participate in all performances.

Students will learn music theory, sight-reading, and string instrument technique. Students are required to participate in all performances. The dress code for this ensemble is a Tux for the gentlemen and a full-length black dress for the ladies. The cost for the outfit is a student expense and will be ordered through the orchestra director.



MUSIC THEORY AP

Open to Grades: 10-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Since this course is equivalent to a first-year music theory course in college, students must be somewhat fluent in reading music; a solid music foundation such as piano, guitar, chorus, band or other musical experience is sufficient; also, willingness to take the AP exam. There is a fee for AP exam.

Description: Advanced Placement Music Theory is open to students who are interested in learning the principles of writing and analyzing music. Students will learn elements of music theory including intervals, major and minor scale construction, harmony, transposition, voicing, arranging, ear training, sight-singing and analysis. This course allows students to do college level work in music reading, notation, composition, performing and listening. The course will emphasize preparation for the advanced placement music theory examination. District extracurricular eligibility can affect a student's opportunity to perform in after school events.

MUSIC APPRECIATION

Open to Grades: 11 & 12

**UC A-G Certification: Meets the UC A-G (F) Visual/Performing Arts requirement
One Year Course**

This class is an academic elective class that exposes students to the general fundamentals of music, melody, harmony, rhythm, etc., and allows students to develop an aesthetic appreciation of music as an art form.

JAZZ / WIND ENSEMBLE

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Student must have passed Symphonic Band with a "B" or better and/or have teacher approval.

Jazz Ensemble is an intermediate / advanced course for the instrumental music program. The major focus is the further development of the concepts of playing a musical instrument; understanding melody, harmony, rhythm, phrasing, intonation, and blending individual abilities into a group performance. Students learn basic concepts unique to the jazz style. Students will also learn techniques of improvisation. Students learn to perceive, perform, appreciate, and evaluate their own performances, as well as that of their peers and musicians throughout the last century. Assessment for Jazz Ensemble will include performances outside the school day and off campus. Members are required to participate in all performances. Wind Ensemble is an advanced course for the instrumental music program. The major focus of the program is the further development of the concepts of playing a wind instrument; understanding melody, harmony, rhythm, phrasing and intonation and blending individual abilities into a group performance. Public performances are required.

CONCERT CHOIR

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Requires teacher approval



Intermediate and advanced students will learn music theory, vocabulary, performance, and singing techniques. Students will learn classical, sacred, folk, pop, rock, and show tunes. This group is comprised of students with prior choral experience and a fundamental knowledge of music theory. Students are required to participate in all performances. The dress code for this ensemble is a Tux for the gentlemen and a full-length black dress for the ladies. The cost for the outfit is a student expense and will be ordered through the choir director.

MIXED CHORUS

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: None

This is a performing choir that will train all interested students in vocal techniques. The choir will perform at various concerts, festivals and social events.

SHOW CORP (Color Guard)

Open to Grades: 9-12

Meets UC/CSU Fine Art Requirement

Prerequisite: Instructor approval through audition

Students will learn techniques and routines for tall flags, rifles, and sabers. Students will perform with the marching band at performances and compete in parades. Students are required to participate in all performances. There is a fee for this group. ^{1st} semester Show corps may be used for 5.0 credits of P.E. **OR** Elective Credit.

OTHER

FILM AS LITERATURE

Open to grades: 11 or 12

Prerequisite: Must have passed English 9 and English 10 and signed permission slip from parent (at beginning of class).

Students enrolled in this course will study film both as an art form and as a form of communication. They are taught to “read” a film, analyzing its narrative structure, genre conventions, subtext, technical and artistic factors, purpose, and literary standards previously covered in English 9 and English 10. This course is designed to analyze, interpret, and evaluate the elements of film rather than “how” the film is made.

AVID 1, 2, and 3 ELECTIVE

Open to Grades: 9-12

Prerequisite: Entrance is by application only.

Students in Avid 2 & 3 must agree to take one Advanced Placement (A.P.) or Honors course.

The AVID elective courses at all grade levels are designed to prepare, in an academic context, students for entrance into four year colleges, with emphasis on analytical writing, preparation for college entrance exams (PSAT, SAT, ACT), college study skills and test taking, note taking, and research. The course features college students who support student learning primarily in small groups.

AVID IV

Open only to seniors who have been enrolled in AVID previously.

Prerequisite: An interview and completion of application are required and students must agree to take at least one AP class during their senior year.

Students will be screened to verify that they are on track to meet all a-g requirements before graduation.

AVID IV is a one-year interdisciplinary course for AVID seniors. The course is designed for those students who elect to take a course that prepares them for the rigor required for college work. Students are required to apply to four-year colleges, to apply for scholarships and to enroll in at least one AP class during their senior year. Students will engage in higher levels of WICR (Writing, Inquiry, Collaboration and Reading) strategies experienced in prior years of AVID. Students will create and complete a culminating portfolio in lieu of a final examination in May. During the entire school year, students will engage in collaborative groups with college tutors to enhance critical thinking skills needed for college.

ASB / STUDENT GOVERNMENT

Open to Grades: 9-12

Prerequisite: Must be elected or appointed to office.

Student Government is a course for the student leadership at Knight High School. During this class, students conduct the business of the Associated Student Body (ASB) including approving club and class activities, planning school wide events and supporting the overall vision and mission of the school. The student leadership may also be called on to interact with other schools both inside and outside of the District and with the community at large as representatives of Knight High School. Enrollment in this class is limited to those students elected to class or school wide office or students appointed to a leadership post.

WORK EXPERIENCE PROGRAM

Prerequisite: At least 16 years old, junior or senior status and a legitimate, paid job. Credits: 5 credits per quarter, 40 maximum.

Work Experience Education is an elective class which combines paid employment with classroom instruction. Students attend their own jobs during the week, and also attend a class 9 hours per quarter. Students may elect to have a shortened day (4x4) with parental approval. Students will develop work habits, attitudes, self-confidence, job skills, and a personal portfolio which can be used to locate, secure, and retain employment in the community. Students must have an approved, legally paid job while enrolled in this elective. A grade and course credit is earned by successful completion of the course requirements: attending class, submitting paycheck stubs, and completing class assignments.

AEROSPACE SCIENCE DEPARTMENT **Air Force Junior ROTC (AF JROTC)**



The overall goal of Air Force JROTC is to develop citizens of character dedicated to serving their nation and community. Each year-long course is a balanced mix of 40% Aerospace Science (AS), 40 % Leadership Education (LE) and 20% in Wellness Education known as Extreme Excellence Challenge (E2C). Wellness Education (E2C), taught in each course, acquaints the student with the importance physical fitness, along with proper nutrition. The E2C program is base-lined around the individual's current health, with the focus of achievement and/or improvement towards the national standard as calculated by age and gender. The program includes physical conditioning through exercises, basic military drill skills (marching and facing movements), running, and team sports.

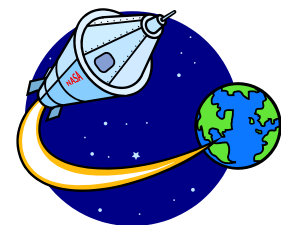
AEROSPACE SCIENCE I (AF JROTC)

Open to Grades: 9-12

Year-long course: 1st Semester - 5 Elective Credits.

2nd Semester - 5 Physical Education Credits

Prerequisite: None



The first year Aerospace Science portion is a history course designed to acquaint the student with the historical development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. The Leadership Education portion relates directly to the academic subject matter, concentrating on study habits and time management. Additionally, wear of the uniform, Air Force customs and courtesies are introduced. Wellness Education (E2C) acquaints the student with the importance physical fitness, along with proper nutrition.

AEROSPACE SCIENCE II (AF JROTC)

Open to Grades: 10-12

Year-long course: 1st Semester - 5 Elective Credits.

2nd Semester - 5 Physical Science Credits

Prerequisite: Successful Completion of Aerospace Science I

The second year Aerospace Science portion is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The Leadership portion stresses communications skills and cadet corps activities. Written reports and speeches compliment science of flight materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. Wellness Education (E2C) continues to acquaint the student with the importance physical fitness, along with proper nutrition.

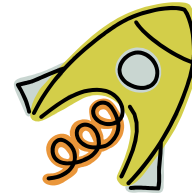
AEROSPACE SCIENCE III (AF JROTC)

Open to Grades: 11-12

Year-long course: 1st Semester - 5 Elective Credits.

2nd Semester - 5 Physical Science Credits

Prerequisite: Successful Completion of Aerospace Science II



The third year Aerospace Science portion is a science course, which discusses principles of propulsion system, fundamentals of rocketry and its application to spacecraft, principles underlying space travel, and various aspects of space and space exploration. Leadership Education emphasis is on managing others, stress management, finances, citizenship and ethics. Wellness Education (E2C) continues to acquaint the student with the importance physical fitness, along with proper nutrition.

Note: The courses for Aerospace Science II and III may be combined. Curriculum will then change on alternating years.

AEROSPACE SCIENCE IV (AF JROTC)

Open to Grade: 12

Year-long course: 10 Elective Credits.

Prerequisite: Successful Completion of Aerospace Science III

The fourth year course integrates and applies all previous leadership instruction by requiring the students to run all aspects of the cadet corps. The course will focus on understanding the fundamentals of management techniques, decisions, functions, as well as managing yourself and others. This hands-on experience affords the cadets the opportunity to put the theories of this and previous leadership courses into practice. Aerospace Science portion is a Global and Cultural Studies course. The course provides increased international awareness and insight into foreign affairs. Wellness Education (E2C) continues to acquaint the student with the importance physical fitness, along with proper nutrition.

DRILL AND CEREMONIES (AF JROTC)

Open to Grades: 9-12

Year-long course: 10 Elective Credits.

Co-requisite: Concurrent enrollment in an Aerospace Science course and instructor approval.

The Drill and Ceremonies course provides an in-depth instruction in military drill and ceremonies. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events. Cadets will demonstrate numerous drill movements with precision. The course is designed to help Cadets appreciate the need for authority, discipline, and teamwork and the importance of following orders promptly and precisely.

SUMMER LEADERSHIP SCHOOL (AF JROTC)

Open to Grades: *Incoming* 9-12

10-day Summer Course: 5 Elective Credits.

Co-requisite: Planned enrollment in the AF JROTC program for the upcoming Academic Year.

Summer Leadership School (SLS) is an extracurricular program held during the summer months teaching current and future AF JROTC cadets aspects of citizenship and leadership in a highly structured and focused instructional environment. Its mission is to promote this development by preparing cadets for leadership roles in their units, schools, and local communities. Activities during SLS stress the following: team building, leadership, respect for authority, responsible citizenship, personal character, academic achievement, physical fitness, and community service.

Note: A nominal Tuition/Activity Fee may apply to support field trip and/or field training exercise.

Planned Dates: Weekdays 7:30 to 2:45, July 19-July 30 2010

CAREER TECHNICAL EDUCATION (CTE)

Career Technical Education (CTE) programs including Regional Occupational Program (ROP) courses provide students with the opportunity to explore their career interests while they prepare themselves for postsecondary educational options including private schools, community colleges, and 4-year colleges and universities.

CTE and ROP elective classes are taught using project-based learning and hands-on activities that make the academic concepts relevant to the real world while putting the theoretical content into practice. Many classes provide college credit through articulation with courses at Antelope Valley College, and many meet the UC system's A-G requirement.

Classes are offered at the high school campuses, with the exception of Fire Technology. Online classes are also available this school year.

For more information please speak with your school counselor and your school's ROP Counselor.

ADDITIONAL COURSES AVAILABLE at OTHER CAMPUSES:

ROP offers additional courses that students can take if they meet eligibility requirements and have their counselor approval. Students must provide their own transportation. Please see your ROP Counselor for more information.

HEALTH CAREERS ACADEMY

Through application process only

6th/7th periods only

Located at Palmdale High School

Medical Clinical 1 (taken concurrently with Medical Science 1)

ROP, One-Year Course, 10 Credits

Open to Grades: 11 and 12

This course provides instruction and training for students interested in careers in the health care professions. Students who achieve competency in this course will develop knowledge and skills required for entry into the health care occupations and meet the needs of the advanced clinical program. After initial required medical subjects, students will spend two days per week in clinical sites developing clinical skills. Successful students will receive a certificate listing the proficiencies which they have completed during the course. Course provides certification for BLS CPR, Advanced First Aid, and phlebotomy certification, and will be prepared for entry-level employment.

Medical Science 1 (taken concurrently with Medical Clinical 1)

ROP, One-Year Course, 10 Credits

Open to Grades: 11 and 12

This course provides instruction and training for students interested in careers in the health care professions. Students who achieve competency in this course will develop knowledge and skills required for entry into the health care occupations and meet the needs of the advanced clinical program. Topics of study include structure and function of major body systems, vital signs as health indicators, weights and measures, nutrition, and patient observation and reporting, and will be prepared for entry-level employment.

DENTAL ASSISTING

ROP, One-Year Course, 20 Credits

Double-Period Internship Course

Located at Antelope Valley High School

Open to Grades: 11 and 12

This course provides instruction and training for students interested in careers related to the dental profession. Students who achieve competency in this course will develop knowledge and skills in basic dental office skills, anatomy, physiology, dental materials and preventative dental care. Students successfully completing this class could enter a dental radiography component and/or a certified dental assistant program and will be prepared for entry-level employment. Entry-level positions include dental assistant.

EMT (Emergency Medical Technician)

Students must meet eligibility criteria

Located at Palmdale High School

ROP, One-Year Course, 10 Credits

Open to Grades: 12 only

EMTs provide emergency medical and trauma care in the pre-hospital and emergency room setting. The course curriculum was developed by the National Highway and Traffic Safety Administration and is a Los Angeles County approved Emergency Medical Technician course. This course is a combination of theory lecture and discussion, and skills lab. Students will also complete clinical rotations with local ambulance companies or at a local hospital. Successful completion makes student eligible to sit for the National Registry of EMT exam.

VETERINARY SCIENCE

ROP, One-Year Course, 20 Credits

Double Period Course

Located at Antelope Valley High School

Open to Grades: 11 and 12

This course is designed to enable students to reinforce core academic skills in biological science, while continuing to explore animal science careers. Major topics of instruction include anatomy and physiology, nutrition, diseases, surgery, pharmacology, and genetics. Students will learn office procedures used in the animal health service industry, including terminology, financial record keeping, inventory, client information, waiting room etiquette, and basic computer skills. Students will gain knowledge of the role genetics play in animal health, and learn anatomy and physiology, as well as nutrition in the animal health services industry, and the difference between nutrition needs of dogs, cats, and horses. Students will learn laboratory skills and pharmacology used in the animal health services, learn emergency procedures in the animal health service industry, use of equipment and identification, and cardiopulmonary resuscitation for small animals.

FIRE TECHNOLOGY I / II

Through application process only

Located at North County Training Center in Palmdale

ROP, Semester Course, 5 Credits

Open to Grades: 11 and 12

The Fire Technology courses provide instruction in both the basic and advanced techniques of fire fighting, including the various levels of fire service administration, knowledge of fire service apparatus, knowledge of fire service equipment, the ability to use extinguishing agents, understanding of fire protection systems and equipment, understanding of fire behavior, types of building construction related to fire services, proper use of personal protective equipment, proper use of ropes and knots, proper use of tools, proper use of hoses, nozzles, and fittings, the proper use of ladders, proper use of search and rescue techniques, ventilation related to fire service, correct tactics and strategy for fire fighting, property conservation and salvage methods, proper handling of hazardous materials, and cardiopulmonary resuscitation techniques. Students need to obtain their CPR Certification and meet certification requirements for use of AED.

INTRODUCTION TO EDUCATION

ROP, One-Year Course, 20 credits

Double-Period Internship Course

Located at Highland High School, Palmdale High School

Open to Grades: 11 and 12

This course is a year-long, academically-focused course designed to introduce students to the theory behind learning and teaching, preparatory to internships and possible employment as paraprofessionals in elementary and/or secondary classrooms and/or special education programs. Students will study the history of education in the United States, sociological factors influencing educational systems, the psychology of teaching and learning, the psychology of classroom management, curriculum design and educational standards, assessment and evaluation in education, education policy and politics, and use of technology in education. In a co-requisite practicum/internship course, students will receive training in the fundamentals of education with an emphasis being placed on teaching as an instructional aide, applying the theories learned in Introduction to Education. It also trains for instructional aide and peer tutor/technician positions. At the end of the course, students may be certified as an instructional aide, which will enable them to immediately enter the job market or continue education in a college level teacher training program. The course also helps prepare students for entry into university or post-graduate teacher training classes.

STAGECRAFT DESIGN

ROP, One-Year Course, 20 Credits

Double-Period Internship Course

Located at Lancaster High School

Open to Grades: 11 and 12

This course provides instruction and training for students interested in careers related to stagecraft design and production. Students who achieve competency in this course will develop knowledge and skills in theater and set architecture, design elements, stage management, lighting design, costume design, make-up application, and participation in local production(s), and will be prepared for entry-level employment.

AUTO GENERAL SERVICE TECHNICIAN

ROP, One-Year Course, 20 Credits

Double-Period Internship Course

Located at Palmdale High School

Open to Grades: 11 and 12

ROP Automotive General Service Technician is designed to develop students interested in a career in the automotive industry. This course will cover safety, the use of tools and equipment, and the use of reference material. Students will complete basic practices in four ASE content areas including: A4 Suspension and Steering, A5 Brakes, A6 Electrical and Electronics, and A8 Engine Performance. This course includes a job-shadowing component performed at local automotive dealerships.

BUILDING CONSTRUCTION TECHNOLOGY

ROP, One-Year Course, 20 Credits

Double-Period Course

Located at Palmdale High School

Open to Grades: 11 and 12

Building Construction Technology provides instruction and training for students interested in the construction industry trades. Students will have knowledge and skills in Computerized Aided Design, Planning, Estimating, Carpentry, Plumbing, Electrical, Exterior and Interior finishes, and workforce preparation. Students will be prepared for entry-level employment positions.

VIRTUAL ENTERPRISE (Economics of Business Management)

ROP, One-Year Course, 10 credits

High School Econ Credits

Located at Highland High School

Open to Grades: 10, 11, 12

The curriculum in this course will integrate Economics and Business Management by presenting Economic concepts within the context of a school-based entrepreneurial business. Students will learn complex economic competencies such as supply and demand, opportunity cost, marginal cost, scarcity, equilibrium price and quantity, and economic growth while producing valuable products for the school and the community. Business management concepts will be addressed as well through this project-based, hands-on curriculum. The business will require that students develop a pricing strategy for their goods and services, create a business plan to follow and modify as needed, and analyze financial records and documentation that they have developed themselves as part of the business operations.

PRINCIPLES of BUSINESS MANAGEMENT (Formerly Business Apprentice Management)

ROP, One-Year Course, 20 credits

Double-period Internship Course

Located at Highland High School, Lancaster High School

Open to Grades: 11 and 12

This course provides instruction and training for students interested in careers related to business management or entrepreneurship. Students who achieve competency in this course will develop knowledge and skills in project management principles, including planning, implementing, and executing projects, developing projects, mission, goals, objectives and tasks, using scheduling structure to plan and manage projects, analyzing, auditing, and controlling projects, and promoting teamwork and leadership skills through project planning, and will be prepared for entry-level employment.

LAW ENFORCEMENT CAREERS

ROP, One-Year Course, 20 Credits

Double-Period Internship Course

Located at Highland High School

Open to Grades: 11 and 12

This course provides instruction and training for students interested in law and law enforcement related careers. Students who achieve competency in this course will develop knowledge and skills in physical and professional traits in law enforcement, purpose of a criminal investigation, oral and written communication skills, arrest procedures, Penal and Vehicle Codes, and will be prepared for entry-level employment. Students will learn to develop their leadership traits through team building and group exercises. Students will participate in ride-alongs with the LA County Sheriff's department and job shadowing. Guest speakers from law enforcement fields are an essential part of the course.

ONLINE COURSES

The following classes are offered online during the 2010-2011 school year. They are one year long and are worth 10 elective credits. Students will meet on campus three times during the school year, and must provide their own transportation. To enroll in an online class, please speak with your school site counselor and your site's ROP Counselor.

COMPUTER AIDED DESIGN

Learn 3 dimensional modeling and design. Continue your career pathway by taking classes in PHS' FAST Academy. (Course number 05164)

CONTEMPORARY STUDY OF BUSINESS

This course is designed to introduce students to the world of business. The emphasis of the course is on how business changes to remain competitive in an ever changing global society. Major topics include business communications, the basic economic question and decision-making by consumers, economic systems, marketing goods and services, finance, and human resources. (Course number 04134)

DENTAL OFFICE

This course provides introductory instruction and training for students interested in careers related to the dental profession. From here you can take the Dental Assisting course at AVHS and get an actual internship working in a real dentist's office! (Course number 19718)

INTRODUCTION TO EDUCATION

Students taking this class will learn about the history, psychology, and theory behind learning and teaching, as well as preparation for internships. Once you take this class, you will be ready to take the Introduction to Education Practicum class at HHS, LnHS, LHS, or PHS where you get to intern at a real elementary or middle school! This class also fulfills the UC a-g "g" requirement. (19695)

MEDICAL TERMINOLOGY

The Medical Terminology Online Course: "Terms for Practice", is designed to facilitate learning and comprehension of the basics of medical terminology in relation to each system of the body. This online course combines an interactive study experience, as well as learning at your own pace. Students will learn to use proper terminology and spelling for major pathological conditions. (One-semester class, 5 credits) (Course number 19971)