

COURSE DESCRIPTION CATALOG

2023-2024



39055 25th St West
Palmdale, CA 93551
SCHOOL CODE: 052541

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ANTELOPE VALLEY UNION HIGH SCHOOL DISTRICT GRADUATION REQUIREMENTS

	<u>CREDITS</u>
ENGLISH	40
MATH (Must pass Algebra I)	30
SCIENCE (Total: 20 credits)	
Physical	10
Life	10
SOCIAL STUDIES (Total: 30 credits)	
World History	10
U.S. History	10
Civics	5
Economics	5
HEALTH	10
PHYSICAL EDUCATION	20
FOREIGN LANGUAGE/VISUAL	OR
PERFORMING ARTS	10
ELECTIVES	70
TOTAL CREDITS	23
	0

POST HIGH SCHOOL EDUCATION

Students are encouraged to seek academic, vocational, and college counseling throughout their four-year stay at Highland. In this way students can make certain that they are taking appropriate vocational courses or are satisfying admissions requirements for the college of their choice.

CALIFORNIA COMMUNITY (JUNIOR) COLLEGES

One hundred thirteen (113) campuses comprise this system: www.cccco.edu

Community colleges admit any student who is a graduate of a high school or is at least 18 years of age.

Antelope Valley College is our local community college. However, students may attend a community college outside of the Antelope Valley.

CALIFORNIA STATE UNIVERSITY & COLLEGE SYSTEM

Twenty-three (23) campuses comprise this system: www.csumentor.edu

Admission is based upon the student's grade point average (grades obtained in 10th, 11th, and 12th grades, excluding P.E.) and bonus points for each "C" or better in approved honors courses, in ratio with an SAT or ACT score. Students with a GPA lower than 2.0 do not qualify for regular admission. The complete Eligibility Index table is available on the website.

Students must complete a specific course sequence called the "a-g" pattern of courses and receive a "C" or better in each course in order to be considered for admission:

- a. History/Social Science – 2 years
 - b. English – 4 years
 - c. Mathematics 3 years (4 recommended)
 - d. Laboratory Science – 2 years (3 recommended)
 - e. Foreign Language (the same language) – 2 years (3 recommended)
 - f. Visual/Performing Arts – 1 year (consecutive semesters)
 - g. Elective Courses (chosen from the subject areas listed above or approved college prep elective courses – 1 year
- 15 years (units) total subjects.

UNIVERSITY OF CALIFORNIA

Ten campuses comprise this system:

"<http://www.ucop.edu/doorways/list>"

Students have to meet the same “a-g” pattern as the California State University system. The courses you take to fulfill the Subject Requirement must be certified by the University as meeting the requirement and must be included on your high school’s UC certified course list. Your counselor will have a copy of this list. In addition the lists are available online.

PRIVATE COLLEGES AND UNIVERSITIES

www.commonapp.org

Entrance requirements vary from institution to institution. It is important, therefore, that students obtain catalogs for all schools being considered. The Career Center has catalogs from many different institutions that can be checked out. The counselors can give students the address of any college in the country if they wish to send for their own copies of catalogs. Also, most institutions have their information available on the Internet. Serious consideration concerning college application should begin no later than the 11th grade. Students are encouraged to see their counselor for college and financial aid information.

Students are urged to visit college campuses before applying. Information on special college visitation days and on how to arrange for your own tour is available in the Counseling Office and through the Daily Bulletin announcements.

PROGRESS REPORTS/REPORT CARDS

To check your child’s latest grades, go to “PowerSchool Login” at:

"<https://www.powerschool.avhsd.org/public>"

SPRING REGISTRATION

During this time, students will select their courses for the following year. The four-year plans and the Course Description Booklet available on-line should be used in making course selections. This is the only opportunity students have to select their courses; counselors will program students who do not return registration materials by the deadline.

SPECIAL PROGRAMS AT HIGHLAND HIGH SCHOOL

Students attending Highland High School can select from several different programs, academies and pathways.

These include:

AIR FORCE JROTC

Contact Program Coordinator Brian Owen at bowen@avhsd.org for information.

AVID

Contact Shanna Cobb at scobb@avhsd.org for Information.

COMPUTER SCIENCE

Contact Steve Harrington at sharrington@avhsd.org for information.

PUBLIC SERVICE ACADEMY

Open to Grades: 9-12

Contact Christy Chacon at cchacon@avhsd.org

DEPARTMENT COURSE OFFERINGS & DESCRIPTIONS

It is hoped that Highland High School will offer the courses listed on the following pages. Actual courses will be offered according to student enrollment and instructor.

AEROSPACE SCIENCE AIR FORCE JROTC

To be eligible for membership and continue in the Air Force Junior Reserve Officers Training Corps (AFJROTC) program each student must be:

- Enrolled in and attending a regular course or instruction at Highland High School, school with cross-town agreement (with concurrence of both principals), or home-schooled student.
- Special needs and handicapped students, with the concurrence of the Senior AFJROTC instructor and the principal, may participate.
- All students are eligible to participate in JROTC regardless of sexual orientation.
- Local school policy will be followed in determining the eligibility of a Foreign Cadet to participate in the AFJROTC program. If approved by the school to participate, Foreign Cadets will fully participate in the program and are required to meet all standards.

GRANTING OF ACADEMIC CREDIT

COURSE	FIRST SEMESTER	SECOND SEMESTER
Aerospace Science I (AS-1)	Earth Science	Earth Science
Aerospace Science 2 (AS-2)	Physical Ed**	Physical Ed**
Aerospace	Elective	Elective

Science 3 (AS-3)		
Aerospace Science 4 (AS-4)	Elective	Elective

****Cadets must pass the California Fitness gram to receive PE credit.**

CADETS RESPONSIBILITIES: Each cadet will agree to abide by the rules and regulations of the Aerospace Science Department and to accept responsibility for the proper care and maintenance of his or her uniform, textbooks, and other equipment. Failure to do so will create obligations, which will prevent later registration, graduation, or transfer of credit. Cadets will wear an AFJROTC uniform one full day (assigned) per week.

CURRICULUM: The AFJROTC curriculum is based on Aerospace Science (AS) academics (40%), Leadership/Drill (40%), and wellness/physical training (20%). Cadets will spend 40 days in Leadership and Drill studies to start the semester, 40 days in Aerospace Science academics, and 20 days in physical training. The classes may be held indoors or outdoors depending on the subject matter and weather. Cadets will be exposed to aviation, space activities, national defense, careers, leadership, and drill subjects. The Curriculum Plan for sequencing of materials is as follows:

AEROSPACE SCI CURRICULUM PLAN				
CADET YEAR	22-23	23-24	24-25	25-26
1	FLIGHT	SPACE	FLIGHT	SPACE
	LE-100 +DRILL +Fitness	LE-100 +DRILL +Fitness	LE-100 +DRILL +Fitness	LE-100 +DRILL +Fitness
2	FLIGHT	SPACE	FLIGHT	SPACE
	LE-200 +DRILL +Fitness	LE-200 +DRILL +Fitness	LE-200 +DRILL +Fitness	LE-200 +DRILL +Fitness
3	GLOBAL STUDIES	AVIATION HISTORY	GLOBAL STUDIES	AVIATION HISTORY
	LE-300 +Drill +Fitness	LE-300 +Drill +Fitness	LE-300 +Drill +Fitness	LE-300 +Drill +Fitness
4	GLOBAL STUDIES	AVIATION HISTORY	GLOBAL STUDIES	AVIATION HISTORY
	LE-400 +Drill +Fitness	LE-400 +Drill +Fitness	LE-400 +Drill +Fitness	LE-400 +Drill +Fitness

Aviation History: *A Journey into Aviation History*
Flight: *Science of Flight; Gateway to New Horizons*
Global Studies: *Cultural Studies: Intro to Global Awareness*

Space: *The Exploration of Space*

LE-100: *Citizenship, Character and Air Force Tradition*

LE-200: *Communication, Awareness, and Leadership*

LE-300: *Life Skills and Career Opportunities*

LE-400: *Principles of Management*

Drill: *Drill and Ceremonies*

AEROSPACE SCIENCE YEAR 1

One-year Course; 10 credits

The AS portion uses the electronic textbook *Aerospace Science: The Science of Flight*. The course begins with the study of flight from the earliest days of interest. It provides an in-depth study of the theory of flight, different airfoils, and Bernoulli's Principle. Cadets will examine issues critical to the physics of flight studying lift, weight, thrust and drag. The course covers the flight conditions in the atmosphere. It also examines navigation requirements for aircraft/pilots.

The LE studies *Leadership Education I: Citizenship, Character & Air Force Tradition* relates directly to the academic subject matter. LE will introduce cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. Leadership Education contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship.

Cadets will also learn and expand their knowledge of Drill and Ceremonies, and learn about the importance of Health and Wellness while also participating in physical training.

AEROSPACE SCIENCE 2

One-year Course; 10 credits

Prerequisites: Completion of Aerospace Science 1 with a passing grade

The AS portion uses the textbook *Aerospace Science: Exploring Space: The High Frontier*. The course begins with the study of the space environment from the earliest days of interest in astronomy into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. Cadets will examine issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and prolonged periods. The course covers the human aspect of spaceflight, focusing on the human experience in space. It also examines the latest advances in space technology.

The Leadership portion *Leadership Education II: Communication, Awareness, and Leadership* stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches complement the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Cadets will expand their knowledge of Drill and Ceremonies, and learn about the importance of Health and Wellness while also participating in physical training.

AEROSPACE SCIENCE 3

One-year Course; 10 credits

Prerequisites: Completion of Aerospace Science 2 with a passing grade.

The AS portion *Aerospace Science: A Journey Into Aviation History*, is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. 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. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets.

The LE *Leadership Education III: Life Skills and Career Opportunities* portion will be helpful to students deciding which path to take after high school. Cadets will learn to explore career paths and understand requirements that they will need to be successful at work and in life. Information on how to apply for admission to college or to a vocational or technical school is included. Cadets will learn how to prepare a résumé, and how to develop interviewing skills. Information is also provided on: how to begin the job search, financial planning and how to save, investing, spending money wisely, as well as how not to get caught in the credit trap. Cadets are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Cadets will become more skilled at using the Internet for career research and learn how to network safely using social media. Finally, cadets will consider the most important elements of life skills for all Americans: civic responsibilities, such as volunteering, registering to vote, jury duty, and draft registration.

Cadets will expand their knowledge of Drill and Ceremonies, and learn about the importance of Health and Wellness while also participating in physical training.

AEROSPACE SCIENCE 4

One-year course; 10 credits

Prerequisite: Completion of Aerospace Science 3 with a grade of "C" or better and letter from the cadet requesting/justifying entry into AS-4.

The AS portion *Aerospace Science: A Journey Into Aviation History*, is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. 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. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets.

The Leadership portion *Leadership Education II: Communication, Awareness, and Leadership* stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Cadets will expand their knowledge of Drill and Ceremonies, and learn about the importance of Health and Wellness while also participating in physical training.

AVID – ADVANCEMENT VIA INDIVIDUAL DETERMINATION

One-year Course; 10 credits

Open to Grades: 9-12

Prerequisites: Teacher recommendation/interview and Online Application

AVID is an elective course which addresses the needs of students “in the middle” who have been identified by their core teachers, counselors, etc., as having the potential to be successful in a rigorous college preparatory program. The course provides the support and encouragement necessary for students to be successful, employing WICOR (writing, inquiry, collaboration, organization, reading) strategies, tutorials, study skills, time management skills, test preparation strategies for the PSAT, SAT

and ACT, college visitations, and motivational speakers. Students are taught Cornell note-taking skills and are required to maintain a well-organized three-ring binder containing notes, calendars, learning logs, assignments, etc. They participate in collaborative projects which require higher-level thinking skills and problem solving.

BEHAVIORAL SCIENCE

AVID HEALTH SURVEY

Required one semester course; first semester

Open to grades: 9

Prerequisites: None

Students have the opportunity to explore different careers, and are exposed to college and career readiness skills such as organization skills, test taking skills, levels of inquiry and Cornell notes. These skills are incorporated into the Health curriculum that deals with goals and decision making as well as teenage issues such as conflict, violence, bullying, relationships and peer pressure.

HEALTHFUL LIVING

Required one semester course; second semester

Open to Grades: 9

Prerequisites: None

This is a comprehensive program covering topics such as tobacco, alcohol and disease education. Students are instructed in how to make healthy lifestyle choices and in computer literacy. While using appropriate learning activities and technology, students are encouraged to apply what they've learned to real world situations. Students apply goal setting, critical thinking and understanding to make healthy choices.

PSYCHOLOGY

One-year Elective Course

Open to Grades: 11-12

Prerequisites: None

A fascinating introductory course designed to increase the student's understanding of the discipline of Psychology; the study of how and why human beings act, think, and react as we do. This course should increase the student's understanding of their own mental processes. The course has a newly modified curriculum that meets state and national standards with emphasis on theories, cognitive development and socio- cultural processes and human behavior. The elements in this course will stimulate students' interest and enhance their knowledge of the field of Psychology.

AP PSYCHOLOGY

One-year Course

Open to Grades: 11-12

Prerequisites: Grade of B or higher in previous English class

AP psychology goes further and deeper than the standard psychology class. The first semester concerns famous theorists, major concepts, and how research is done. The second semester deals with more practical applications of psychology as well as careers. Topics include the five major areas of study: Biology, Cognitive, Psychoanalytic, Humanistic, and Behavioral psychology. At the end of this class, students should be able to understand and critically address issues in psychology as well as identify jobs within the field. While the AP test (in May) is not mandatory, it is strongly encouraged.

CAREERS IN EDUCATION

FOUNDATIONS IN EDUCATION

One-Year Course, 10 Credits

Meets UC/CSU requirements

Open to Grades: 9,10,11,12

Foundations in Education is an academically focused course designed to introduce interested college prep students to the theory behind learning and teaching. Students will study the history of education in the United States, sociological factors influencing educational systems, the psychology behind learning and teaching, curriculum design and educational standards. This course requires students to produce written reports, oral presentations and group projects focusing on education and various academic content areas.

COMPUTER SCIENCE

COMPUTER SCIENCE PRINCIPLES AP

One-year course, 10 credits

Meets UC/CSU requirements

Open to Grades 9, 10, 11, 12

Prerequisites: none although completion of Algebra 1 is strongly encouraged.

Students will be introduced to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, they will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. This course is organized around seven big ideas: creativity, abstraction, data/information, algorithms, programming, the internet, and the global impact of computation

COMPUTER SCIENCE AP

One-Year Course, 10 credits

Meets UC/CSU requirements

Open to Grades: 10, 11, 12

Prerequisites: Completion of Computer Science Principles AP

This is a college level course meant to teach students the fundamentals of Java Programming. Students learn to write, look at and use programming in numerous ways to solve problems, organize data, process data and design software. In the class they will do a bit of game design, learn about how classes work & share information with one another, how the computer reads code, work together to see how apps are made, take a look at cyber security issues and more.

ROBOTICS 1 AND 2

FRC Robotics is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous / directed mobile robots. Course information will be tied to lab work; students will work in groups to build and test complex mobile robots, culminating in a series of FRC off-campus robot contests.

We will be using the FRC Robotic Design System as our platform. Students will be divided into groups, determined by interest, and will complete a variety of robot construction and programming activities within these groups. The work product of each group will then be assembled into the finished robot.

ENGLISH (Four Years Required)

ENGLISH 9

One-year Course

Open to Grades: 9

Prerequisites: None

Through the study of literature and the writing of academic essays, students will develop skills in reading comprehension, critical thinking, writing, research methodology, speaking and listening. Students are expected to read, interpret and discuss short fiction, essays, articles, poetry and plays, as well as write numerous academic essays to be typed in MLA format. Whole texts studied include Romeo and Juliet and selections from The Odyssey.

ENGLISH 9 INTENSIVE

Open to Grades: 9

English Intensive is an English 9 course that is a course designed to accelerate the academic success of our at-promise students. This course will provide those students with an introduction to rigorous English Language Arts curriculum. The course is structured to provide intensive intervention in a single-period block to meet the requirements of the English 9 California State Standards.

ENGLISH 9 HONORS

One-year Course

Open to Grades: 9

Prerequisites: Teacher recommendation and completion of summer reading assignments.

English 9 Honors teaches the California language arts standards for grade 9 at an accelerated pace, while enhancing curriculum with additional works of literature and writing assignments in preparation for International Baccalaureate and Advanced Placement coursework. Sophisticated strategies for literary interpretation are introduced and taught, along with advanced writing techniques.

ENGLISH 10

One-year Course

Open to Grades: 10

Prerequisites: English 9

English 10 curriculum is based on the California Standards for grades 9-10 and uses the core text Holt Literature and Language Arts, 4th Course. Through the study of literature and the writing of academic essays, students will develop skills in reading comprehension, critical thinking, writing, research methodology, speaking and listening. Students are expected to read, interpret, and discuss short fiction, essays, articles, poetry and plays, as well as write numerous academic essays to be typed in MLA format. Whole texts studied include Julius Caesar and selections based on the Arthurian legends.

ENGLISH 10 HONORS

One-year Course

Open to Grades: 10

Prerequisites: Acceptance into Honors Program, successful completion of English 9 Honors, teacher recommendation and completion of the summer reading assignments.

ENGLISH 11

One-year Course

Open to Grades: 11

Prerequisites: English 10

English 11 curriculum is based on the California Standards for grade 11. Through the study of literature and the writing of academic essays, students will develop skills in reading comprehension, critical thinking, writing, research methodology, speaking and listening. Students are expected to read, interpret, and discuss short fiction, essays, articles, poetry and plays as well as write numerous academic essays to be typed in MLA format. The emphasis of the readings is on American literary periods including American Romanticism, Realism, the Moderns, the Harlem Renaissance, and the Contemporary.

English 10 Honors teaches the California language arts standards for grade 10 at an accelerated pace, while enhancing curriculum with additional works of literature and writing assignment in preparation for International Baccalaureate and Advanced Placement coursework. Sophisticated strategies for literary interpretation are taught, along with advanced writing techniques.

AP ENGLISH 11 (AP Language and Composition)

One-year Course

Open to Grades: 11

Prerequisites: Strong written and reading scores (demonstrated by English 10 final grade of "A", or English 10 Honors grade of "B" or better), teacher recommendation,

completion of the summer reading assignments.

AP English 11 is a college level course that focuses on rhetoric, or the craft of writing academic essays and analyzing literary texts, primary nonfiction. Students will study and write various kinds of analytic and persuasive academic essays, reflecting through writing and discussion on the nature of prose structure, content, style and mechanics. Emphasis will be placed on passing the AP Exam in May, which will enable students to earn college credit.

ENGLISH 12/EXPOSITORY READING & WRITING

One-year Course

Open to Grades: 12

Prerequisites: English 11

The Expository Reading and Writing Course prepares college-bound seniors for the literacy demands of higher education. Through a sequence of rigorous instructional modules, students in this year-long, rhetoric-based course develop advanced proficiencies in expository, analytical, and argumentative reading and writing. Most modules include multiple text pieces on a topic, often representing different genres. Course texts include contemporary essays, newspaper and magazine articles, editorials, reports, biographies, memos, assorted public documents, and other non-fiction texts. Two modules include full length works—a work of nonfiction in semester one and a novel in semester two. 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.

ENGLISH 12/GOTHIC LITERATURE

One-Year Course

Open to Grades: 12

Prerequisites: English 11

Gothic Worlds will introduce students to frightening and horrifying stories that began to be published in the late 1700's. Traditional gothic romances and tales have similar settings, such as castles, crypts, gloomy mansions, and general images of ruin and decay. While the settings might be similar, the genre of the Gothic spans multiple time periods as well as the expanse of the Atlantic Ocean. Students will be expected to read, interpret, discuss and write about the social, religious and philosophical influences and interpretations of the texts.

ENGLISH 12/SCIENCE FICTION

One-year Course

Open to Grades: 12

Prerequisites: English 11

This class is designed for students who want to improve their critical reading and writing skills as a prelude to a rigorous college curriculum. The core of reading will be Science Fiction literature with an emphasis on authors such as Ray Bradbury, Orson Scott Card, Isaac Asimov and Arthur C. Clarke. Students should be prepared to do a good amount of writing, critical analysis and research which will prepare them for the rigors of higher education. Essays, book reports, critical analysis, and a research paper will be required.

AP ENGLISH 12 (AP Literature & Composition)

One-Year Course

Open to Grade: 12

Prerequisites: Strong written and reading scores (demonstrated by English 11 final grade of "A", or English 11 Honors grade of "B" or better), teacher recommendation, completion of summer reading assignments, evaluation of writing sample by AP instructor and department chairperson.

AP English 12 is a college level course that focuses on literary analysis, or the reading and interpretation of literary novels, short stories, poems and plays. Students will study selected works in great literature and write explications or literary analysis papers on assigned readings. Emphasis will be placed on passing the AP exam in May, which will enable students to earn college credit.

English 12/Ethnic Literature

One-year Course

Open to grades: 12

Prerequisites: English 9-11

Corequisites: English 12

Students in Ethnic Literature will continue to develop and refine essential skills in reading, writing, speaking, and listening. The curriculum

will consist of a variety of core works that will allow students to gain an appreciation, understanding, and knowledge of literature from the theoretical approach of ethnicities and the social roles within them. Through the study of core literature, as well as supplementary and technical texts, students will develop proficiency in reading and interpreting for a variety of purposes as well as a study of societal and cultural norms in reference to different cultures. Students will critically analyze a variety of core literary works and real-life sources (such as newspapers, scholastic publications, professional journals, and essays) and clearly express applications to their own lives through writing and speaking.

THE FOLLOWING ARE ELECTIVE CREDIT ONLY:

LITERATURE SUPPORT

One-year Course

Open to Grades: 9-12

Prerequisites: Students may be placed in this course based on Child Study Team scores.

Reading Skills I uses district and state approved reading intervention programs to support student understanding and mastery of essential phonics, vocabulary, grammar, reading comprehension and study skills necessary for academic success. The course is designed to help students at the secondary level acquire missing linguistic knowledge and skills required for grade-level reading and improved performance on standardized tests and in content-area coursework.

LITERATURE SUPPORT II

One-year Course

Open to Grades: 9-10

Prerequisites: Students may be placed in this class based on Child Study Team scores.

Reading Skills II supports core English classes for 9th and 10th grade students which use the Holt Literature and Language Arts curriculum. This class runs parallel to the

ongoing English 9 and 10 classes, reinforcing and supporting the reading, writing, listening and speaking skills appropriate to these grade levels as outlined by the California Language Arts Standards. In addition, this course teaches students essential academic skills like note-taking skills, research methods, reading strategies and time management strategies to improve student performance in the core content area classes and on the standardized tests. The course may be repeated for credit.

ADVANCED JOURNALISM

One-year Course

Open to Grades: 10-12

Prerequisites: Instructor permission; previous Journalism and Honors English preferred.

Involves all facets of producing a yearbook, including planning, advertising, layout design, reporting, and computerized Desktop Publishing with a wide assortment of Macintosh software. May be repeated for credit.

ENGLISH LANGUAGE DEVELOPMENT (ELD)

(One period English credit, one period elective credit for Beginning ELD & Early Intermediate ELD)

Open to Grades: 9-12

Prerequisites: Students must take the California English Language Development Test at the Welcome Center at 1212 East Avenue S, Palmdale (575-1078) English Language Development (ELD) 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. ELD addresses student needs in self-esteem, adjusting to American culture, and in understanding, speaking, reading, and writing Standard American English. Placement:

There are three levels of ELD courses:

1. BEGINNING PROFICIENCY LEVEL (Beginning ELD)

A two-period course that fulfills an English and elective requirement. 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.

2. EARLY INTERMEDIATE PROFICIENCY LEVEL

(Early Intermediate ELD)

A two-period course that fulfills an English and elective requirement. 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.

3. INTERMEDIATE PROFICIENCY LEVEL

(Intermediate ELD)

This one-period course fulfills an elective requirement. Freshmen must take English 9 with intermediate ELD. Sophomores, juniors, and seniors must take English 10 as an English requirement. Students will develop various oral skills to competently convey information and exchange ideas. Students will engage in activities that enhance and improve writing skills and will write essays, reports, research papers, and resumes. Concepts and vocabulary from the core curriculum will be integrated.

Students at the early advanced or advanced proficiency level will be placed in a grade appropriate English class.

FOREIGN LANGUAGE (One Year Required OR One Year Visual/Performing Arts)

The Foreign Language Department offers a variety of language opportunities. Students

considering foreign language study must be aware that all levels of study are rigorous and demand 30 to 60 minutes of serious daily study.

SPANISH 1

One-year Course

Open to Grades: 9-11

A rigorous college preparatory course that is based on both intentional learning and natural acquisition. Students will be expected to practice speaking, listening, reading, and writing both inside and outside of class. Vocabulary, communicative skills, and grammar are emphasized. Students are evaluated based on their performance, rather than their effort in accordance with the California Standards for World Languages. Successful completion will prepare students for further study in high school and college and give students basic communicative skills.

SPANISH 1 HONORS

First Year of a Four-Year Sequence

Open to grades 9-11

Prerequisite: Teacher Recommendation

This is the first year of a four-year course sequence that culminates with either the Advanced Placement Spanish Language Exam. Students enrolled in this sequence are also prepared for the SAT-II subject matter test in Spanish. The course follows the same foundation as regular Spanish One, but requires greater mastery and retention throughout the four year program. Additionally, students will also develop and demonstrate higher level thinking skills in Spanish and within the context of Spanish speaking cultures.

SPANISH 2

One-year Course

Open to Grades: 9-12

Prerequisites: Spanish 1 or Teacher Recommendation. This course is a continuation of the study of fundamentals of

Spanish language and Hispanic cultures. As a University of California College Preparatory approved course, by the end of the year students are expected to be able to engage a sympathetic native speaker in a five minute conversation on general topics. Students are expected to master the appropriate California Standards for World Languages.

SPANISH 2 HONORS

Second Year of a Four-Year Sequence

Open to grades 9 - 12

Prerequisites: Successful completion of Honors Spanish One and teacher recommendation (Transfer student by examination)

This is the second year of a four-year course sequence that culminates with either the Advanced Placement Spanish Language Exam. Students enrolled in this sequence are also prepared for the SAT-II subject matter test in Spanish. The course follows the same foundation as regular Spanish Two, but requires greater mastery and retention throughout the four year program. Additionally, students will also develop and demonstrate higher level thinking skills in Spanish and within the context of Spanish speaking cultures.

SPANISH 3

One-year Course

Open to Grades: 10-12

Prerequisites: Spanish 2 or Teacher Recommendation. A continuation of Spanish 2 with greater emphasis on grammatical and functional accuracy. The remainder of major grammatical structures are studied here. This course is strongly recommended to college bound students and those planning careers dealing with the public.

SPANISH 3 HONORS

Third Year of a Four-Year Sequence

Open to grades 10 - 12

Prerequisites: Successful completion of Honors Spanish Two and teacher

recommendation (Transfer students by examination)

This is the third year of a four-year course sequence that culminates with either the Advanced Placement Spanish Language Exam. Students enrolled in this sequence are also prepared for the SAT-II subject matter test in Spanish. The course follows the same foundation as regular Spanish One, but requires greater mastery and retention throughout the four year program. Additionally, students will also develop and demonstrate higher level thinking skills in Spanish and within the context of Spanish speaking cultures. Students begin essential test practice for the aforementioned exams. Students will begin to specialize AP content and format.

SPANISH 4 – ADVANCED PLACEMENT SPANISH LANGUAGE & CULTURE

Fourth year of a Four-Year Sequence

Open to grades 11 & 12

Prerequisites: Successful completion of Spanish 3 and teacher recommendation (Transfer students by examination).

Students prepare for the Advanced Placement Exam in Spanish Language. The focus is the demonstrated mastery of conventions of the Spanish language including accuracy, production, and comprehension.

AMERICAN SIGN LANGUAGE I

Open to Grades: 9-11

Prerequisites: None

American Sign Language I is a rigorous curriculum designed to provide a solid foundation in American Sign Language skills and provide the cultural knowledge necessary to use the language appropriately in the deaf community.

AMERICAN SIGN LANGUAGE 2

Open to Grades: 10-12

Prerequisites: ASL 1

A continuation of ASL I. This course builds upon the vocabulary and grammatical rules of American Sign Language. Students will focus on facial grammar and non-manual markers. Through assignments both inside and outside of the classroom, students will learn about the Deaf Community and Deaf Culture. The class is taught primarily in American Sign Language.

AMERICAN SIGN LANGUAGE 3

Open to Grades: 11-12

Prerequisites: ASL 2

The purpose of this course is to enable students to enhance proficiency in American Sign Language through a linguistic, communicative, and cultural approach to language learning. There is a continued emphasis on the development of receptive and expressive signing skills. Experiences with American Sign Language and Deaf literature are broadened. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

AMERICAN SIGN LANGUAGE 4

American Sign Language (IV) reinforces, expands, and refines the receptive and expressive skills learned in ASL III, including role-shifting, precise use of classifiers, and the language skills necessary to help organize and discuss complex subjects. Students continue to develop skills in interpreting a variety of situations, for example, describing accidents and health conditions. They deepen their understanding of the key aspects of Deaf culture and history through research, visitors, presentations, and participation in various Deaf events. Finally, students continue researching in-depth the numerous careers for which people knowing ASL are highly sought. Formative and summative assessments will be ongoing and a combination of performance-based and research-based

assignments. The University of California has approved American Sign Language I, II, III, and IV as meeting the requirement under e – Language other than English. This course is part of a defined sequence and a pathway of courses in the Public Service Industry Sector as defined by the California Department of Education.

Course Focus:

Students will develop the following learning strategies:

- focusing on meaning rather than individual signs during a conversation
- confirming information by asking questions or using a sign in context
- focusing on the whole rather than parts of the message

The context for Course:

As we have worked through the first three years we have intended to offer an additional language opportunity for those students interested in continuing their education in this field. Students who continue into Level 4 will learn increased vocabulary and skills. The course will offer increased opportunities to learn about and participate in Deaf culture and articulation with local community colleges.

HEALTH SCIENCE AND MEDICAL TECHNOLOGY

HEALTH CAREERS ACADEMY

Through application process only

6th/7th periods only

Must be in grades 11 or 12

Located at Palmdale High School

Medical Clinical 1 (taken concurrently with Medical Science 1)

One-Year Course, 10 Credits

Open to Grades: 11 and 12

Meets UC/CSU requirements

These classes require a Health Careers Academy application. Students attending a class at a school site other than their school of attendance must provide their own transportation to all classes and internship sites.

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. 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. The course provides certification for BLS CPR, Advanced First Aid, and phlebotomy certification, and will be prepared for entry level employment.

DENTAL ASSISTING

One-Year Course, 20 Credits

Double-Period Internship Course

Located at Antelope Valley High School

Open to Grades: 11 and 12

This class requires a Cross Enrollment application. Students attending a class at a school site other than their school of attendance must provide their own transportation to all classes and internship sites.

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.

HEALTH SCIENCE EMERGENCY MEDICINE

One Year Course, 10 credits

Open to Grades: 11 and 12

Prerequisites: English 10 & Algebra 1 required, Anatomy and Physiology recommended

Co-requisites: Biology required, CPR and First Aid recommended

This competency-based course is designed to prepare students for entry-level positions into the healthcare industry. This is a preparatory course for the EMT (Emergency Medical Technician) program. The course takes students on a fascinating journey beginning with history, future, and components of the emergency system, the well-being of the first responders, legal issues, medical terminology, and abbreviations. The course provides students with a comprehensive understanding of anatomy, physiology, and pathophysiology of the human body. These concepts are solidifying the foundational knowledge for specific medical emergencies. The course also gives students a genuine context for the application of the knowledge used to help patients in the field. The course begins with basic knowledge of anatomy and physiology, first aid, CPR, and safety practices and ends with a thorough understanding of medical emergencies. This course presents the tools for students to understand the importance of pre-hospital care and delivers a thorough understanding of the proper use of medical equipment necessary to provide appropriate care. The competencies in this course are aligned with the National Standard Curriculum, Common Core State Standards, and the California Career Technical Education Model Curriculum Standards.

EMT (Emergency Medical Technician)

Students must meet eligibility criteria
One-Year Course, 10 Credits
Open to Grades: 12 only
Prerequisite: Completion of Health Science
Emergency Medicine
Located at Highland High School

This class requires a Cross Enrollment application. Students attending a class at a school site other than their school of attendance must provide their own transportation to all classes and internship sites.

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. This course is articulated with AVC and students will receive 5 college credits as long as they graduate with a "C" or higher. Students must obtain a "B" or higher in order to sit for the National Registry EMT exam.

BODY SYSTEMS AND DISORDERS

Year-long course: 10 Elective Credits
Meets UC/CSU Requirements

This class is offered Online Only

This course focuses on human anatomy and physiology, normal function of body systems, associated pathologies, and medical interventions. Emphasis is on providing students with a thorough understanding of body systems and their interrelationships. The course includes advanced medical terminology as applied to diseases, disorders, medical interventions and body systems.

As part of instruction, this course reinforces skills in reading, writing, speaking,

listening, and mathematics and requires their application in workplace situations. Integrated throughout the course are foundation standards, which include communication, ethics, interpersonal/team skills, critical thinking and problem solving, safety, technology, and other essential skills. Students are given opportunities to demonstrate personal qualities, including responsibility, self-confidence, and self-management.

PEER HELPING

The Peer Helping Course will teach the process of helping one another through leading, teaching/speaking, tutoring, support/advising, peer counseling, conflict management, and team building. This course is only available to members of Link Crew.

MATHEMATICS

(Three Years Required
Algebra I Must Be Completed For
Diploma)

Students will be placed in the appropriate level by the Math Department

ALGEBRA 1

One-year Course

Open to Grades: 9-12

Prerequisites for Grades 9-12: none

A study of the structure of the real number system and of ways of solving problems by using equations, inequalities, graphs and simplification of algebraic expressions. Important foundations are laid for advanced mathematics in the study and use of sets, function theory and elementary logic. This is the first college-required course for three years of high school mathematics.

ALGEBRA 2

One-year Course

Open to Grades: 9-12

Prerequisites for Grades 9: Completed Algebra 1 or Teacher Recommendation

This discipline complements and expands the mathematical content and concepts of Algebra 1. Students who master the Algebra 2 standards will gain experience with algebraic solutions of problems in various content areas, including the solution of systems of quadratic equations, logarithmic and exponential functions, the binomial theorem, and complex number system.

ADVANCED ALGEBRA WITH FINANCIAL APPLICATION

Prerequisites: 11&12 and passed Algebra 1, Geometry, and Algebra 2 with a D grade or better. This class does not replace Algebra 2.
Total Credits: 5 per semester

Description: Advanced Algebra with Financial Applications is a college-preparatory course that will use sophisticated mathematics to give you the tools to become a financially responsible young adult. The course employs algebra, pre-calculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of the course.

GEOMETRY

One-year Course

Open to Grades: 9-12

Prerequisites: Completion of Algebra 1 or Teacher Recommendation

A study of the properties and relationships of the geometric figures, both in a plane and in space with an introduction to the formal written proof. Includes formulas for measurements and other applications, deductive and inductive reasoning, and introduction to Analytic

Geometry. This is the second college-required course for three years of high school mathematics.

GEOMETRY/ TRIGONOMETRY

One-year Course

Open to Grades: 10 - 12

Prerequisites: Grade of "A" or "B" in Algebra 2 and teacher 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.

ALGEBRA 2/TRIGONOMETRY HONORS

One-Year Course

Open to Grades: 9-12

Prerequisites: Geometry or Teacher Recommendation

This course combines the topics covered in Algebra 2 with those covered in Trigonometry/PreCalculus. The course of Algebra 2 is added: Math induction, determinants, matrices, elements of analytic geometry, theory of equations, and a complete course in plane trigonometry. This accelerated course is for highly motivated

students who wish to “move forward faster” in math and take AP Calculus AB in their junior or senior year.

INTRO TO PROBABILITY AND STATISTICS

One-year Course

Open to Grades: 12

Prerequisite: Algebra 1

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
- Inference

STATISTICS AP

One-year Course

Open to Grades: 12

Prerequisites: Algebra 2/Trigonometry, Trigonometry/Pre-calculus, or Geometry/Trigonometry with a “B” or better AND teacher recommendation

This is a rigorous course designed for the college bound student. Students must have a strong background in Algebra 1 and Algebra 2 concepts. Topics covered in the course include variance, standard deviation, mean of a discrete random variable, P-value, chi-square test and distribution and conditional probabilities. Much of the course is calculator driven primarily using the TI 83 graphing calculator. The course covers all the concepts necessary to pass the AP Stats test. Emphasis will be placed on passing the AP test. A graphing calculator is required.

Quantitative Reasoning with Advanced Math Topics (QRAT)

One-year course

Open to Grades: 12

Prerequisites: Algebra 2

QRAT is designed to help seniors who are planning on, or maybe planning on, attending Antelope Valley College. This program is a blended class where students work on computers and have an opportunity to access the material via the internet at home. The students can earn a "Pass" at Antelope Valley College for up to four classes, Arithmetic, Pre-Algebra, Elementary Algebra and Intermediate Algebra. This course covers materials found in the following college classes: Arithmetic, Pre-Algebra, Elementary Algebra and Intermediate Algebra and intended to assist students in mathematics placement at Antelope Valley College.

TRIGONOMETRY/PRE-CALCULUS

One-year Course

Open to Grades: 10-12

Prerequisites: Algebra 2 with "B" or better or "C" with teacher recommendation.

A study of periodic functions, circular functions, graphs, identities, polar coordination, complex numbers, matrices, and selected topics in analytic geometry for preparation for calculus. This course is needed for college majors in the fields of science, engineering, and mathematics and is a prerequisite for the study of calculus.

TRIGONOMETRY/PRE-CALCULUS AVC DUAL ENROLLMENT

One-year Course

Open to Grades: 10-12

Prerequisites: Algebra 2 with "A" or better or "B" with teacher recommendation.

A study of periodic functions, circular functions, graphs, identities, polar coordination, complex numbers, matrices, and

selected topics in analytic geometry for preparation for calculus. This course is needed for college majors in the fields of science, engineering, and mathematics and is a prerequisite for the study of calculus. First semester is AVC MATH 135 Trigonometry (3 college credits) and second semester is AVC MATH 140 Pre-Calculus (4 credits). If a student earns a "C" or better per semester they receive the courses college credit.

AP PRE-CALCULUS

AP Precalculus is designed to be the equivalent of a first semester college precalculus course. AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college level mathematics courses. This course explores a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation and engage each function type through their graphical, numerical, analytical, and verbal representations.

CALCULUS AB/ AP

One-year Course

Open to Grades: 11-12

Prerequisites: Successful completion of Algebra 2/Trigonometry, Trigonometry/Pre-calculus, or Geometry/Trigonometry better AND teacher recommendation

A rigorous course designed to meet requirements of college bound math and science oriented

students. Students must have a strong background in Algebra 2, Geometry, Trigonometry, and Analytic Geometry. Topics covered in the course include limits and continuity, techniques and applications of differentiation, and techniques and applications of integration. Emphasis will be placed on passing the AP Exam in May, which will enable the student to earn college credit. A graphing calculator is required for this course as per IB and the College Board.

CALCULUS BC/ AP

One-year Course

Open to Grades: 12

Prerequisites: Successful completion of Calculus AB/ AP AND teacher recommendation

This is a continuation of the AP Calculus AB course. This course involves intensive, in depth, review of the first year calculus topics, and covers additional topics, including sequences and series, polar and parametric equations, and vectors and vector analysis. Emphasis will be placed on passing the AP Exam in May, which will enable the student to earn college credit. A graphing calculator is required for this course as per IB and the College Board.

PHYSICAL EDUCATION Two Years Required

In response to the concerns of our elected officials, Senate Bill 601 (SB 601) became law on October 14, 2007. SB601 requires current high school grade nine students and all future high school students to continue to take physical education if they do not meet the standard on any five of the six areas of the physical performance test administered in grade nine. While this requirement will continue for each subsequent year of high school, meeting the standard for five of the six areas of physical performance will not be a graduation requirement. Our graduation requirements remain the same.

P.E. 1

One-year Course

Open to Grades: 9

Prerequisites: Purchase of the PE uniform & tennis shoes and a combination lock. (Purchase shirt at the ASB student store)

Physical Education 1 includes team, individual, lifetime, fitness strength training. All activities are designed as prerequisites for subsequent levels of physical education. This course includes the required California fitness standards and physical test.

P.E. 2

One-year Course

Open to Grades: 10

Prerequisites: Purchase of the Physical Education uniform & tennis shoes and a combination lock. (Purchase shirt at our ASB student store)

Physical Education 2 includes setting personal goals, athletic enhancement, team, individual, lifetime, fitness, strength training, self-defense, advanced games and strategy. Activities are selected with emphasis on California State guidelines.

THE FOLLOWING ARE ELECTIVE CREDIT ONLY:

P.E. ATHLETICS

One-year course

Prerequisites: Approval from Athletic Coordinator and the coach of that particular sport. Ninth grade students on the varsity team must get Principal's approval.

Open to all students whose interscholastic sport meets during the sixth period of the day. Interscholastic sports will be practiced.

PHYSICAL FITNESS

One-year course

Open to Grades: 11 & 12

In this course, students will learn a comprehensive approach to running fitness and develop an understanding of the human body as it responds to different levels of cardiovascular and muscular stress. Students will learn training strategies and techniques while developing flexibility, strength, and endurance through the use of both static and active warm-up routines, Tempo and Speed Intervals, Fartlek (Speed-play), obstacle courses, relays, physical fitness circuits, and cardio games. Students will acquire knowledge that will allow them to incorporate these techniques into a well-designed, individualized fitness plan. This knowledge will help them to meet physical challenges, and develop positive behaviors in fitness, wellness, and movement activity throughout their lives. The course will include both lecture and activity sessions and students will be assessed through both performance of skills and written tests

WEIGHTLIFTING

One-year Course

Open to Grades: 11 & 12

In this course students will learn and perform motor skills required in both strength training activities and aerobic activities. The students will work in cooperation with other students in training activities as well as spotting techniques. The students will learn the principles of biomechanics involved in safe and successful fitness training. Students will eventually create their own fitness and strength training program to meet their individual fitness needs. The course will focus on each student learning different training strategies in order to meet different levels of strength, power, and endurance. This knowledge will enable each student to create his/her individual training plan.

PUBLIC SERVICE ACADEMY

INTRODUCTION TO PUBLIC SAFETY

One-year course; 10 credits

Open to all grades

Meets "G" credit for UC/CSU A-G requirements

Prerequisites: enrolled in the Public Service Academy; may be required to submit to an application and interview process.

This course has been written to cultivate students interested in pursuing a future in the fields of legal practices, law enforcement, fire suppression and emergency medicine. This course is intended to provide the cadet with a foundation in the understanding of the roles of many of the key players involved in a criminal, fire or medical incident. Through seven units of instruction, the cadet will gain knowledge of the professional practices that move an event from incident to resolution as well as from crime to capture. Cadets will acquire a basic level of knowledge of law enforcement, fire service and initial medical response in order to serve the public with an emphasis on the 9th grade Common Core standards for literacy in technical subjects. By the end of the course, cadets will possess the skills to evaluate incidents dependent on the type, implement a plan of action and deliver that action necessary in order to serve the public.

CRIMINAL JUSTICE

One-year Course; 10 credits

Meets UC/CSU requirements

Open to Grades: 10, 11, 12 .

This course provides instruction and training for students interested in careers related to law and law enforcement. Students who achieve competency in this course will develop knowledge and skills in the origins and sources of American law, principles on which our law and the legal system developed, structure and procedure of the court system, different categories of criminal cases, the juvenile justice system, analytical skills and oral and written communication, and will be prepared for entry-level

employment. Entry-level positions include risk management assistant and security guard.

HIGHLAND HIGH SCHOOL PUBLIC SERVICE ACADEMY FORENSIC SCIENCE: CRIMINAL JUSTICE/INVESTIGATIONS

INTRODUCTION TO FORENSIC SCIENCE

Forensic Science: Criminal Investigations is intended to introduce students to various topics within the field of Criminal Investigation to prepare students for the next level course, Forensic Science: Advanced Investigations. With lecture, lab, and hands-on activities, the students will have an academic and technical experience which is not only well rounded, but also encompasses the pathway outcomes of communication skills, ethical behavior, command presence, and critical thinking. This course will include the history and role of the agency, laboratory and scientific evidence, processing evidence, establishing hypotheses and drawing conclusions. Students will also explore various career opportunities for decision making to move onto advanced coursework.

FIRE SCIENCE

One-year course; 10 credits

Open to grades: 10-12

Meets "G" credit for UC/CSU A-G requirements

Prerequisites: enrolled in the Public Service Academy and may be required to submit to an application and interview process.

This course has been written to cultivate students interested in pursuing a future in the

fields of fire prevention, fire suppression, and emergency medicine. This course uses an integrated science approach as students explore the science of fire with practical applications from the firefighting service industry. Students use scientific inquiry to explore how chemical bonding relates to combustion and fire suppression, the thermodynamics of fire and its impact on various materials, the human body and other living organisms, and its role in the natural environment. Throughout the course students work with practical applications from the firefighting field, emphasizing biological and chemical hazards and safety issues, exploring the science behind the design and function of common equipment and methods, and working with fire professionals as resources for learning about both fire science and career opportunities. The combination of scientific inquiry into and practical applications of fire science provides students with a broad introduction to potential fire science concerns and career opportunities, from related technology and research, to wildland firefighting and resource management, to urban planning and urban firefighting. They acquire technical skills, vocabulary, and proficiency in the use of fire safety equipment and other industry standards while developing a deep understanding of the scientific principles that underpin industry methodology.

FIRE TECHNOLOGY

Through application process only

Supplemental program students are encouraged to concurrently enroll in.

Located at North County Training Center in Palmdale

Yearlong Course, 10 Credits

Open to Grades: 11 and 12

This class requires a Cross Enrollment application. Students attending a class at a school site other than their school of attendance must provide their own

transportation to all classes and internship sites.

The Fire Technology courses provide instruction in both the basic and advanced techniques of firefighting, 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 firefighting, 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.

INTRO TO COURTROOM DEBATE: MOCK TRIAL

One-year Course; 10 Credits

UC/CSU Approved College Preparatory

Elective

Open to Grade: 9

Introduction to Courtroom Debate - Mock Trial is a class for students interested in learning about the legal system and court procedures, and understanding law in everyday life, as well as developing public speaking and critical thinking skills necessary for conducting a mock trial. Students will receive a comprehensive education concerning the judicial branch of the government and the legal system of the United States. Students will learn, practice, and perform courtroom procedure for both civil and criminal cases, including rules of trial procedure and evidence. Students will be trained in developing their own trial strategies and participate in various courtroom

simulations, which may include competing as an attorney, witness, or other courtroom role in the local competitions and in the Constitutional Rights Foundation's Mock Trial competition. Through this course, students will improve their argumentative writing skills, as well as improve their critical thinking skill and develop confidence in public speaking. Students will develop an understanding and appreciation for our judicial system.

INTRO TO COURTROOM DEBATE: MOCK TRIAL

One-year Course; 10 Credits
UC/CSU Approved College Preparatory
Elective

MOCK TRIAL

One-year Course; 10 Credits
UC/CSU Approved College Preparatory
Elective
Open to Grade: 10

In the Mock Trial course, learners will gain in-depth knowledge of key occupations and professions in and related to the state and federal court systems. Learners will analyze jurisdiction, trial procedure, legal precedent, and the process for preparing and trying a civil or criminal case. The Mock Trial course will prepare Learners to participate in local and county level Mock Trial competitions.

LEGAL PRACTICES: MOCK TRIAL 2

One-year Course; 10 Credits
UC/CSU Approved College Preparatory
Elective
Open to Grade: 11

Legal Practices: Mock Trial 2 will further develop the Learner's skills obtained in the Mock Trial 1 course. Learners will further develop their knowledge and skills in understanding key occupations and professions in and related to the state and federal court systems, public speaking, legal argument, proper court procedures and decorum, locating and properly citing relevant

case law and understanding the importance of legal precedent. Learners will attend and observe actual court proceedings for real-life examples. The Learners will demonstrate their obtained skills while competing in local and county level Mock Trial Competitions.

ADVANCED SPEECH & DEBATE: MOCK TRIAL

One-year Course; 10 Credits
UC/CSU Approved College Preparatory
Elective
Open to Grade: 12

This full-year course is designed to advance oral and written communication skills, critical reading, research methods, analysis, listening, extemporaneous and persuasive speaking/writing, and oral interpretation/creative expression. This is a performance and presentation-based course. Students will participate in short speeches and debate and will have the opportunity to compete in individual events. Students will also learn the fundamentals of the civil and criminal justice system, including the rules of trial procedure and evidence. Students will prepare for and participate in a mock trial either as an attorney or witness and have opportunities to compete as a team. Students will develop an increased understanding of many important current issues and develop an increased understanding and appreciation of our judicial system. Students will concentrate on interscholastic speaking activities that stress persuasion: extemporaneous speaking; oratory; and debate. Importance will be placed on the preparation and presentation of effective oral communication. Students will initially learn about and practice organized extemporaneous speeches with emphasis on verbal and nonverbal delivery skills (content, organization, projection, paralanguage, inflection, eye contact, hand gestures, and more). Students will then build a foundation for effective argumentation and advocacy (claim/evidence/argument) by participating in

debates. Special attention will be placed on critical thinking and listening skills as well as argument resolution.

SCIENCE

One Yr. Phys. /One Yr. Life Req.

EARTH SCIENCE – (Physical Science credit)

One-year Course

Open to Grades: 9-10

Prerequisites: None

A lecture, demonstration, and laboratory course designed to satisfy the state requirement for Earth science and to prepare students for subsequent courses in science. This course teaches the basic principles of geology, physics, and chemistry while integrating them to the earth sciences standards. **DOES NOT MEET THE LAB SCIENCE ENTRY REQUIREMENT FOR CS OR UC SCHOOL.**

BIOLOGY- One-year course (Life Science Credit)

Open to Grades: 9-12

Prerequisites: Algebra AND/OR instructor permission
Biology is a college preparatory course that is recognized as a laboratory science meeting our A-G requirements. It surveys the major academic areas of the biological sciences utilizing lectures, demonstrations, textbooks, and extensive laboratory experiments. In accordance with the California State Standards, this course covers the following topics: Cell Biology, Genetics, Evolution, Ecology, and Human Physiology. Every attempt is made to make students aware of the current research methods and career opportunities through the use of various visual display techniques.

BIOLOGY HONORS

One-year Course (Life Science credit)

Open to Grades: 9

Prerequisites: Enrolled in English 9 Honors, AND/OR instructor permission.

Biology Honors is a college preparatory course that is recognized as a laboratory science meeting our A-G requirements. It surveys the major academic areas of the biological sciences utilizing lectures, demonstrations, textbooks, and extensive laboratory experiments. In accordance with the California State Standards, this course covers the following topics: Cell Biology, Genetics, Evolution, Ecology, and Human Physiology. Every attempt is made to make students aware of the current research methods and career opportunities through the use of various visual display techniques.

AP BIOLOGY

One-year Course (Life Science Credit)

Open to grades: 11 – 12

Prerequisites: Completed Biology and Chemistry with a “C” or better, AND/OR instructor permission. Summer reading assignment.

AP Biology is a second year college preparatory course that is recognized as laboratory science. It surveys the major academic areas of the biological sciences utilizing lectures, demonstrations, textbooks, and extensive laboratory experiments. Every attempt is made to make students aware of the current research methods and career opportunities through the use of various visual display techniques. College level work will be required. Students are expected to take the AP Biology test. This course meets the lab science entry requirement for Cal State or UC schools.

PRINCIPLES OF BIOMEDICAL SCIENCE HONORS

- **Open to Grades: 9-12**
- **Prerequisite: None**
- **Meets UC/CSU Requirement (Area: D)**
- **Semester Units/Credits: 5**
- **Course Length: 1 year**

This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They will determine the factors that led to the death of a fictional woman as they sequentially piece together evidence found in her medical history and her autopsy report. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes and allow students to design experiments to solve problems. Key biological concepts including maintenance of homeostasis in the body, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. This course is designed to provide an overview of all the courses in the biomedical sciences program and lay the scientific foundation for subsequent courses.

ANATOMY & PHYSIOLOGY One-year Course
(Life Science credit)

Open to Grades: 11-12

Prerequisites: Biology and Chemistry with a "C" or better AND/OR instructor permission.

The course is designed specifically for those students whose college or career plans include a possible emphasis on the medical or biological sciences. Importance will be placed on student initiative and responsibility in doing laboratory work, meeting examination deadlines, and coping with the rigorous requirements of the program.

ANATOMY & PHYSIOLOGY HONORS

Open to grades: 11-12

Prerequisite: "C" or better in Biology; "C" or better in Chemistry required

Meets UC/CSU requirements

Anatomy and Physiology Honors is an intensive study of the structure and function of the human body. This will include a review of introductory biology, cytology, histology, integumentary, skeletal, muscular, nervous, circulatory, excretory, respiratory, and digestive systems, and the special senses. Moving at a faster pace than the regular Anatomy Physiology class, the honors level class covers more body systems, physiology concepts, and more depth. Students should expect 1 hour of work/study time per night.

CHEMISTRY

One-year Course (Physical Science credit)

Open to Grades: 10-12

Prerequisites: Algebra 1 or better recommended, Biology required AND/OR instructor permission.

Chemistry is a college preparatory course designed as a survey of atomic and molecular structure, chemical and physical properties of matter, reactions, organic and nuclear chemistry. Mathematics is used to solve problems related to the chemical concepts studied. Laboratory experimentation is extensive and comprehensive and involves the application of chemical concepts and qualitative and quantitative laboratory methods. This course meets the lab science entry requirement for Cal State or UC schools.

CHEMISTRY HONORS

One-year course (Physical Science Credit)

Open to Grades 10-12

Prerequisites: Biology required, currently enrolled in Algebra 2 or higher math; AND/OR instructor permission.

Chemistry Honors is a college preparatory course designed as a survey of atomic and molecular structure, chemical and physical properties of matter, reactions, organic and nuclear chemistry. Mathematics is used to solve problems related to the chemical concepts studied. Laboratory experimentation is extensive and comprehensive and involves the application of chemical concepts and qualitative and quantitative laboratory methods. This course meets the lab science entry requirement for Cal State or UC schools.

CONCEPTUAL PHYSICS

One-year course

Conceptual physics is a laboratory science course with an emphasis on the scientific method and the fundamental principles of physics. Topics to be covered include: basic science skills, Newton's laws, linear motion, momentum, work, and energy.

ENVIRONMENTAL SCIENCE AP

One-year Course

Open to Grades: 9-12

Prerequisites: Recommended completion of Algebra 1, Biology, Chemistry with a "B" or better and signature of current teacher.

This class will cover major environmental topics such as acid rain, biodiversity and global warming, as well as, energy, the atmosphere, water, soil, human populations and waste. The course has a large laboratory and field investigation component. This allows students to learn about the environment through first hand observation. The course will help students gain a better understanding and appreciation for the world around them, while completing the recommended requirements to take and successfully complete the AP examination for college credit.

PHYSICS

One- year course (Physical science credit)

Open to Grades: 11-12

Prerequisites: Enrolled in or completed Algebra 2.

A laboratory based course in physics that provides an understanding of the practical and technical applications of Mechanics, Electricity, and Waves, Optics, Sound and Light. This class meets the state requirements for Physical Science. Physics is designed for students who like both a "hands on" science and an understanding of the theory that underlies our universe. This course meets the lab science entry requirement for Cal State or UC schools.

PHYSICS 1 AP

One-year course (Physical Science Credit)

Open to Grades: 11-12

Prerequisites: Completed Biology, Algebra 1 with a "B" or better, concurrent enrollment in Algebra II (or higher math) and signature of current teacher.

The Advanced Placement Physics 1 course is equivalent to a 1st semester college introductory physics course that includes laboratory work to help students understand forces and motion, energy and momentum, electric circuits, waves, sound, and rotational motion. This course meets the lab science entry requirement for Cal State or UC schools.

PHYSICS 2 AP

One-year course (Physical Science Credit)

Open to Grades: 12

Prerequisites: Completed AP Physics 1 with a "C" or better and signature of current teacher.

The Advanced Placement Physics 2 course is equivalent to a 2nd semester college introductory physics course that includes laboratory work to help students understand fluids, thermal energy, electricity and magnetism, optics, and modern atomic theory. This course meets the lab science entry requirement for Cal State or UC schools.

SOCIAL STUDIES
One Year World History, One Year U.S.
History, & One Year Civics/Economics
(Required)

WORLD HISTORY

One-year Course

Open to Grades: 10

Prerequisites: None

World History is a course designed to develop an understanding of the world's major cultures, history, art and music, literature, religions, and geography. A class designed to enrich a student's knowledge and understanding of the people of the world. A chronological approach to world civilizations is used beginning with the ancient developing to the modern.

WORLD HISTORY AP

One-Year Course

Open to Grades: 10

Prerequisites: English 9 with a "B" or better or English 9 Honors AND instructor permission

This course is a social science course intended to prepare students to pass the AP examination in World History. Dealing with the time period 1000 C.E. to present, the course focuses on the impact of interactions among major societies, the relationship of change and continuity across the world during these time periods, the impact of technology and demography on people and environment, systems of social structure and gender structure, cultural and intellectual developments and interactions among and within societies, and changes in functions and structures of states and in attitudes toward states and political identities including the emergence of the nation state.

U. S. HISTORY

One-year Course

Open to Grades: 11

Prerequisites: None

A conventional survey of American History studying the important ideas and concepts that have developed in our changing society. This course utilizes textbooks, paperback books, and supplementary library materials. Emphasis is upon a sound understanding of the principles of the heritage, which have made present day American life possible.

U. S. HISTORY AP

One-year Course

Open to Grades: 10-11

Prerequisites: AP instructor permission, recommendation of Honors English & World History teachers

A seminar class based on a conventional survey of American History, studying and analyzing the important ideas and concepts that have developed in our changing society. An emphasis will be placed upon a sound understanding of the principles of the heritage, which have made present day American life possible. This course will utilize textbooks, paperbacks, many supplementary library materials, and appropriate audio visual aids for purposes of discussion. The course meets the district's requirements for graduation. Emphasis will be placed on passing the Advanced Placement Exam in May, which will enable the student to earn college credit.

African American History

Open to grade: 11

Prerequisite: World History

Meets UC/CSU requirements

African American History is designed to provide an in-depth analysis of the causes, character, and consequences of the African American experience and its influence on America and the world. It begins with a broad geographic, cultural, social, historical understanding of the African continent, West

Africa in particular. The course will continue with the Columbian Exchange between the Americas and Europe. Then, the course will examine the causes and effects of the trans-Atlantic Slave Trade and the rise of chattel slavery in the Western Hemisphere and how the interaction of African, Native American and Europeans in the "New World" constitutes a unique American experience. The course will then focus on the struggles and triumphs of the development of America from colonial times to the present with special attention given to the African American experience.

CIVICS

One-Semester Course

Open to Grades: 12

Prerequisites: None

In this course the philosophy of the American political system will be studied. Examination is made of the workings of national, state, and local governments. Also considered is the political scene involving political parties, nominations, elections, and propaganda techniques. The judicial system is also examined. Current events and their implications will be part of the regular course work.

ECONOMICS

One-semester course

Open to Grades: 12

Prerequisites: None

A study of classic economics with a particular emphasis on how the economy works. This will include the management and production of goods and services and distribution of products, the effect of changes in wealth, and demands for money and products in our economy and the world.

GOVERNMENT & POLITICS / US

One-year course

Open to Grades: 12

Prerequisites: Recommendation from English 11 & U.S. History teachers stating you have the capability of being successful in an AP course. Every student enrolling is strongly encouraged to take the AP test & be willing to work hard outside of class.

Students enrolled in this class will examine the same material as in the Civics and Economics classes but in much greater depth. Analytic and writing skills will be emphasized in order to prepare students for the AP Exam in May, which will enable the student to earn college credit.

THE FOLLOWING ARE ELECTIVE COURSES ONLY:

HISTORY THROUGH FILM

One-year Course

Open to Grades: 11-12

This class is for students who are inquisitive and interested in the study of history through social media. This course will be broken up into two semester courses. The fall semester course will concentrate on the Revolutionary period to the World Wars. The spring semester course will concentrate on the Cold War period to the modern day. While the primary focus will be on US history, other nation's perspectives will be investigated as well. Students will explore historical topics and periods using films, outside readings, lectures, and class discussions. They will work individually and in groups to understand the validity of films as historical sources. This is a history course and as such is reading and writing intensive.

This course treats films as texts deserving the same skills of critical thinking and analysis as any other sources used within a history course. The class is designed to reveal that some films are valid historical sources, offering a glimpse into the social, political, and

cultural historical moment in which it was created.

The screening of films will be paired with other sources. Students will be asked to read and take notes of all accompanying documents for each film. They will then complete film analysis forms and written summaries with their evaluations of the film. As stated above, this course is writing intensive and involves use of technology such as iBook/Prezi's/uploads to YouTube etc. It will require students to be self-motivated learners and emphasize thoughtful individual critiques of the films and readings. There will be a major group project beginning in the 1st semester where students will lay the groundwork for filming their very own 15 minute historical film in the 2nd semester.

ETHNIC STUDIES

- **Open to Grades: 11-12**
- **Prerequisite: Pass World History with a "C" or higher.**
- **Meets UC/CSU requirement (Area: G)**
- **Semester Units/Credits: 5**
- **Course Length: 1 year**

The Ethnic Studies course aims to educate students to be politically, socially, and economically conscious about their personal connections to local and global histories. By studying the histories of race, ethnicity, nationality, and culture, students will cultivate respect and empathy for individuals and solidarity with groups of people locally, nationally, and globally so as to foster active social engagement and community building. Honoring the historical legacy of social movements and mass struggle against injustice, including the establishment of ethnic studies programs in public schools and university curricula, this course aims to provide an emancipator education that will inspire students to critically engage in self-determination and seek social justice for people of color.

VISUAL/PERFORMING ARTS **One Year Required OR** **One Year Foreign Language**

ART 1

One-year course

Open to Grades: 9-12

Prerequisites: None

Art 1 is an introductory course, which introduces a wide variety of materials, and exciting assignments based on the principle elements of design.

Students will express their creativity using materials such as watercolor, drawing materials, ink, and collage. Fun and learning are the highlights! There are fees for materials used. \$

ART 2

One-year course

Open to Grades: 10-12

Prerequisites:

Art 1

Students will have individual contracts outlining specific project outcomes. Students may focus in a particular medium if they have successfully completed four semesters in that area (Art 1, Ceramics 1, Ceramics 2, Ceramics 3, Photo 1, etc.) A portfolio of work will be produced throughout the course. There are fees for materials used. \$

MULTIMEDIA CONTEMPORARY DESIGN I

Open to Grades: 9-12

Prerequisite: Basic computer skills.

Meets UC/CSU requirements

This class is offered online only

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 2

One-year Course

Open to Grades: 11-12

Prerequisites: Multimedia Contemporary Design 1

This course, the second class in the Interactive Media Technology Pathway, builds on the work completed in Multimedia Contemporary Design 1. 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.

VISUAL IMAGERY – PHOTOGRAPHY 1

One-year course

Meets UC/CSU requirements

Open to grades: 9-12

This course is also offered online

Prerequisites: None

This course is an integration of communication skills and artistic proficiencies using photography as a focus. Emphasis is on creative, expository, and instructional writing

using comprehensive photographic and design concepts. Students learn color management, graphic design and/or selection of typography, texture, and layout design. This course covers Production techniques, aesthetics in Photography and develops production skills through hands-on experience with cameras, studio lighting, film, imaging software Digital and conventional darkroom equipment. This course explores the uses of photography in the humanities, emphasizing commercial and documentary photography and their social and historical significance. This course will also examine the relationship between words and images using classic examples of books utilizing photos and text. Students learn the importance of oral communication as a media tool through practiced public speaking. Students will use higher-order thinking skills through inquiry, observation, identification of relationships among pieces of information, and identification of patterns. Professional image presentation will be examined through the production of a digital portfolio and photo web gallery Through this class students will be prepared for entry level employment in various visual imagery fields including Graphic design and Photography.

PHOTOGRAPHY 2

One-year Course

Open to Grades: 11-12

Prerequisites: Photography 1 AND instructor's permission

The major emphasis of this course is to provide advanced experiences for the student in both the creative and technical aspects of photography, including color photography and digital photography including Photoshop. This course offers the opportunity to develop a portfolio for job seeking or advanced schooling. There are fees for materials used. \$

INTRO TO FILM AND VIDEO THEORY

One-year course, 10 Credits

Meets UC/CSU requirements

Open to grades: 9, 10, 11, 12

This course provides instruction and training for students interested in careers related to video and film production. It enhances written, verbal, visual composition skills necessary for understanding all the elements of filmmaking art and craft. Students will continue to explore various aspects of the media/entertainment industry as it relates to potential career selections, as well as educational applications and personal development skills. Students who achieve competency in this course will develop knowledge and skills in principles and elements of video/film production, both from the performance and technical aspects, and will be prepared for entry-level employment or to continue film studies at the college level. Entry-level positions include video equipment technician, assistant editor, and production assistant.

DIGITAL VIDEO & BROADCASTING

One-year course, 10 credits
Meets UC/CSU requirements
Open to grades: 10, 11, 12

This is a second level course that trains students regarding concepts and principles used in film and video production. Students will learn historical perspectives and analyze American film and television from a variety of artistic works. The course exposes students to the basics of digital storytelling through the creation of storyboards, script writing, basic shot types, camera movements, lighting, audio and techniques of editing.

DIGITAL MEDIA & GRAPHIC DESIGN

One-year course, 20 Credits
Double Period Course
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 Digital Media & Graphic Design 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.

Introduction to Engineering Design Honors

One-year course, 10 Elective credits
Open to grades: 9-12

Introduction to Engineering Design (IED) is a one-year course that has been written to cultivate students interested in pursuing a future in the technology, engineering, and design fields. The major focus of the IED course is to expose students to design processes, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. Successful students may earn five elective credits per semester. This course is a "G" credit for UC/CSU A-G requirements and is for "Honors" distinction.

AP STUDIO ART 2D PHOTO

One-year Course
Open to Grades: 11-12
Prerequisites: Teacher's signature

This program is intended for highly motivated students committed to serious study in art. Students will work toward a goal of producing a portfolio for submission to the College Board. The portfolio will contain three sections reflecting breadth, quality and concentration. Students will produce a minimum of 24 photographs by the end of April using purposeful decision making about how to use the elements and principles of art in an integrative way.

AP STUDIO ART DRAWING

One-year Course

Open to Grades: 11-12

Prerequisites: Have a basic understanding of art techniques, as well as having a passion and perseverance in art making and art related research.

The AP Studio Art Program consists of three portfolio exams — 2-D Design, 3-D Design, and Drawing — corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. There is no exam, students will submit a digital and original portfolio. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Students can take the class even if they will opt out from submitting portfolios.

DRAMA 1

One-year Course

Open to Grades: 9-12

Prerequisites: None

This class is open to all students who are interested in the performing arts. This introductory course covers theater history, play production, stage movement, and basic acting techniques. Students are encouraged to participate in the various productions staged throughout the year.

DRAMA 2

One-year Course

Open to Grades: 10-12

Prerequisites: Drama 1 OR instructor permission Course provides a deeper study into the history of acting, stage movement, and production. Students are encouraged to participate in the various productions staged throughout the year. \$

DRAMA 3, 4

One-year Course (each level)

Open to Grades: 11-12

Prerequisites: Drama 2 OR instructor permission Course provides an in depth study of acting in respect to character development, script analysis, theater history, script writing, directing and play production. In addition, students have the opportunity to go to live theater every semester. Students are urged to work on the various productions staged throughout the year. \$

ADVANCED THEATER PRODUCTION

This is a 7th period activities course. The activity is play production. The class serves production of the main stage plays for fall and for spring, under the direction of the Theater Director, and the Technical Director. Students may participate by auditioning and winning a role to act in a play, or by working backstage in the varied capacities of Stage Management, Sets, Props, Costumes, Makeup/Hair Design & Implementation, and sound design & working the sound board. Students are scheduled in such a way that they meet the 90 hours required to fulfill class requirements. Attendance is $\frac{3}{4}$ of the grade earned. The course is UC approved for college elective credit.

Sports Medicine

One year course: 10 Elective Credits

Open to grades: 11-12

Sports Medicine is an introductory one-year course that is designed to build a foundation of knowledge and interest in the field of medicine with a specialty in Sports Medicine. The practice of Sports Medicine encompasses prevention, emergency care, clinical diagnosis, therapeutic intervention and rehabilitation of emergency, acute and chronic medical conditions involving impairment, functional limitations and disabilities.

Advanced Sports Medicine

Advanced Sports Medicine allows students to explore how the human body moves. Physics principles, along with the integration of biological and chemical principles will allow for greater understanding of human biomechanics. Biomechanical principles of injury and the physiological responses of the body to these injuries will also be discussed. This course focuses on lab methods, critical thinking, and communication skills needed to advance as a science major in a university. Students will be introduced to lab exercises dealing with Physics and Structural Kinesiology. Students interested in physical therapy, athletic trainer, nursing, exercise physiologist, orthopedist, radiology, dietician, and medicine will benefit from this course.

CORE MUSIC PROGRAM

The following courses are part of the "Core Music Program". They are all Co-Curricular which implies additional time required outside of the school day. There may be fees associated with costumes and uniforms or rent, repair and cleaning of instruments where applicable.

A' CAPPELLA CHOIR

One-year Course
Open to Grades: 9-12

Prerequisites: Audition

Prerequisites: One year previous experience

This course of study includes advanced choral literature. Various styles and periods are covered in depth. The styles include Renaissance, Baroque, Classical, and Romantic. Members are required to participate in all performances, including occasional evening and off-campus performances.

CHAMBER SINGERS

One-Year Course
Open to Grades: 10-12
Prerequisites: Audition

Got a great singing voice? This advanced level course of study includes literature covering various styles and periods, including Renaissance, Madrigal, and other popular styles. Emphasis is placed on team work. Members are required to participate in all performances, including scheduled outside performances.

CHORAL ENSEMBLE

One-year Course
Open to Grades: 10-12
Prerequisites: Audition; 1-2 years of singing experience

Students will study various periods and styles of music. Participation in performances are required.

CONCERT CHOIR

One-year Course
Open to Grades: 10-12
Prerequisites: Previous experience or audition

Girls and boys who love to sing? Learn about vocal development, ear training, sight singing, and fundamentals of music. Standard literature for treble voices (female) and bass voices (males) is studied. Members are required to participate in all performances, including two evening performances and others as scheduled by the instructor.

MIXED CHORUS

One-year Course

Open to Grades: 9-12

Prerequisites: Audition Required

Everyone is invited! This course of study includes vocal development, ear training, sight singing, and fundamentals of music. Literature determined by needs as assessed by the instructor. Members are required to participate in all performances, including two evening performances and others as scheduled by the instructor.

MUSIC APPRECIATION

One-year Course

Open to Grades: 9-12

Prerequisites: None

Music Appreciation 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. Students will also learn the basics to music theory and musicianship.

CHAMBER ORCHESTRA

One-year Course

Open to Grades: 9-12

Prerequisites: One full year or more instruction on a string instrument.

Students will read and play a string instrument. They will be required to perform at least one concert with the group.

CONCERT BAND

One-year Course

Open to Grades: 9-12

Prerequisites: Previously enrolled in band program or instructor permission.

Also offered as part of the "Core Music Program", the members of this ensemble will prepare and perform medium to advanced literature.

MARCHING BAND

One Semester P.E. credit

One – year course

Grades: 9–10

Grades 11-12: Elective

credit only.

A course for students who want to participate in the Highland High Bulldog Band. Participation in public performances is required.

BEGINNING GUITAR

One-year Course

Open to Grades: 10-12

Prerequisites: None

A class for students to learn to read music and play the guitar. Students will learn to pick notes and strum chords.

BEGINNING INSTRUMENTS

One-year Course

Open to Grades: 9-12

Prerequisites: None

Students will learn to read, write, and perform basic music.

JAZZ ENSEMBLE

One-year Course

Open to Grades: 10-12

Prerequisites: Audition by instructor

This course will consist of the instruction and performance of standard and progressive jazz repertoire. Students are required to be active participants in the "Core Music Program" of Concert Band and Wind Ensemble.

PERCUSSION

One-year Course

Open to Grades: 10-12

Prerequisites: Approval of teacher

Students will learn the fundamentals of playing percussion instruments. Performances are a part of this course.

STRING ORCHESTRA (BEGINNING STRINGS)

One-year Course

Open to Grades: 9-12

Prerequisites: None

An introductory course designed to develop skills on string instruments in an orchestral setting. Public performances are required.

STUDENT ASSISTING CLASSES

STUDENT GOVERNMENT

One-semester or one-year Course

Open to Grades: 9-12

Prerequisites: Students must have a 2.0 GPA, good citizenship AND instructor permission

This Associated Student Body Leadership course combines classroom instruction with leadership practice in a laboratory of practical school situations. Provides student leaders with the opportunity to study the concept of democratic government; the meaning and techniques of leadership; parliamentary procedures, and group processes; the principles of human behavior; the objective of education and the problems of school administration.

WORK EXPERIENCE

Open to Grades: 11-12 (Others by special permission)

Prerequisites: Work Experience Coordinator approval; 16 years of age or older; job site must be approved; work permit, applications, and enrollment forms required to be completed and signed.

The Work Experience Education Program is a school-supervised program offered to a limited number of students who have an approved job. Seniors will be given priority for enrollment. At the present time, the enrollment is limited to 125 students per instructor. Work Experience cannot be part of a student's

program until the Work Experience Coordinator properly enrolls a student. Student's program should reflect a full day schedule. Only after the Guidance Office has received an enrollment form from the Work Experience Coordinator, could a student's program include Work Experience. All students must be enrolled in a minimum of four periods in addition to the Work Experience program.