

COURSE DESCRIPTION BOOK 2011-2012



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

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ANTELOPE VALEY UNION HIGH SCHOOL DISTRICT GRADUATION REQUIREMENTS

CREDITS

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	230

CASHEE: MATH & ENGLISH

State law, enacted in 1999, authorized the development of the CAHSEE, which students in California public schools must pass to earn a high school diploma beginning with the Class of 2006. The purpose of the CAHSEE is (1) to improve student achievement in high school; and (2) to help ensure that students who graduate from high school can demonstrate competency in state academic content standards adopted by the State Board of Education.

There are two parts to the CAHSEE: **ENGLISH-LANGUAGE ARTS and MATHEMATICS**. By law, each part is to address state academic content standards adopted by the State Board of Education.

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

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:

- History/Social Science – 2 years
 - English – 4 years
 - Mathematics 3 years (4 recommended)
 - Laboratory Science – 2 years (3 recommended)
 - Foreign Language (the same language) – 2 years (3 recommended)
 - Visual/Performing Arts – 1 year (consecutive semesters)
 - 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

Entrance requirements vary from institution to institution. It is important, therefore, that students obtain catalogues for all schools being considered. The Career Center has catalogues 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 catalogues. 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 "Power School Login" at :
"http://www.highlandhs.org"

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:

ADVANCED PLACEMENT

Open to Grades: 10 – 12
Contact Cindy Gadowski for information:
cgadowski@avhsd.org

AIR FORCE JROTC

Contact Conrad Hernandez – Program Coordinator for more information: CHernandez@avhsd.org"

AVID

See course information on page 6.

ENGINEERING (Project Lead the Way)

Contact Jim Haynes for information:
JHaynes@avhsd.org Elective course information located on page 8.

HONORS PROGRAM

Open to Grades: 9 – 10 through application
Contact Ellen Coleman for more information:
edvoracek@avhsd.org

INTERNATIONAL BACCALAUREATE

Open to Grades: 11 – 12 through the Honors Program.
Contact Ellen Coleman – Program Coordinator for more information: edvoracek@avhsd.org

LAW AND GOVERNMENT ACADEMY

Open to Grades: 9-12
Contact Cynthia Herrera for information:
CHerrera@avhsd.org
See course information located on page 15.

REGIONAL OCCUPATIONAL PROGRAM (ROP)

Contact Kathy Hunn, ROP Counselor for information:
KHunn@avhsd.org" or see our website at:
"http://www.avrop.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. **ALL "HONOR" 'IB', AND "AP" COURSES REQUIRE A SIGNED CONTRACT PRIOR TO PLACEMENT IN THESE COURSES.**

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, or home-schooled student.
- Selected by the Senior Aerospace Science Instructor (SASI) in coordination with the principal (or a designated representative) to ensure enrolled students meet acceptable standards. AFJROTC is a voluntary program. While AFJROTC instills self-discipline, it is not to be used as the remedy for chronic student body disciplinary problems.

- Special needs and handicapped students, with the concurrence of the AFJROTC instructor and the principal, may participate.
- Above the 8th grade. Students may participate during the summer between the 8th and 9th grades.
- A citizen or national of the United States, or an alien admitted for permanent residence, or, a Foreign Cadet [a cadet who does not meet the citizenship or residency requirements for AFJROTC membership but is permitted to receive AFJROTC instruction under Section 625 of Public Law 104-208 (i.e., F-1 visa entrant)]. A Foreign Cadet may participate in AFJROTC under the following provisions:
 - Foreign Cadets must have an approval letter from a representative of their government to preclude possible international incidents by wearing an AFJROTC uniform and participating in an American military-sponsored organization. Approval letters may be obtained from the embassy or consular office of that student's country. Letters documenting principal, AFJROTC instructor, and student's national government approval of each Foreign Cadet's participation in AFJROTC must be on file at the unit.

-Foreign Cadets will fully participate in the program and are required to meet all standards.

- A \$10 deposit for the uniform may be required.

GRANTING OF ACADEMIC CREDIT

COURSE	FIRST SEMESTER	SECOND SEMESTER
Aerospace Science I (AS-1)	Physical Science	Physical Science
Aerospace Science 2 (AS-2)	P.E.	P.E.
Aerospace Science 3 (AS-3)	Elective	Elective
Aerospace Science 4 (AS-4)	Elective	Elective

**Cadets must pass the fitness test given in the Physical Education Department 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. Cadet 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 two days in Aerospace Academics, two days in Leadership/Drill subjects, and one day 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 SCIENCE YEAR I

One-year Course

The AS portion combines Aerospace Science: The Science of Flight and Explorations: An Introduction to Astronomy. This is designed to acquaint the student with some Earth Science basics and prepare students to meet the California state standards. The course includes Aerospace Science: The Science of Flight and a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Explorations: An Introduction to Astronomy, explores the history of astronomy to include prehistoric astronomy, the early ideas of the heavens. The size and shape of the earth are discussed as well as the distance and size of the Sun and Moon. Other topics such as astronomy in the renaissance and Isaac Newton and the Birth of Astrophysics and the growth of astrophysics are discussed. We take focus on the Earth as a planet and the Earth's interior; the age of the Earth and Earth's magnetic atmosphere and magnetic field. The Moon is discussed in detail including its description, its structure, and its origin and history, as well as its eclipses and tides. Other topics will be studied (as needed) to prepare students for the quarterly Benchmark Exams – some materials may be from "Earth Science" Geology, the Environment, and the Universe", Glencoe. The LE studies Leadership Education I: Citizenship, Character & Air Force Tradition relate 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.

AEROSPACE SCIENCE 2

One-year Course

Prerequisites: Completion of Aerospace Science I with a passing grade

The AS portion combines Aerospace Science: The Science of Flight, and Aerospace Science: The Exploration of Space. The first semester of Aerospace Science: The Science of Flight is designed to acquaint the student with the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with discussions including the forces of lift, drag, thrust, and weight. Students may also learn basic navigation including map reading, course plotting, and the effects of wind. The second semester AS includes Aerospace Science: The Exploration of Space. Cadets will examine our Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned space-flight. Issues that are critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance, and control systems are explained. The manned space-flight section covers major milestones in the endeavor to land on the Moon and to safely orbit humans and crafts in space for temporary and prolonged periods. It also covers the development of space stations, the Space Shuttle and its future, and international laws for the use of and travel in space. 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.

AEROSPACE SCIENCE 3

One-year Course

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

In 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. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search; also information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful too. For those students interested in a career in the military, with the federal government, or an aerospace career, information is also provided.

AEROSPACE SCIENCE 4

One-year Course

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 Aerospace Science: Global and Cultural Studies, is a global studies awareness block which will cover several (not all) regions during the school year. The eligible areas include: Europe, the Middle East, Asia, Russia and the Former Soviet Republics, Africa and Latin America. This course introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. LE Leadership IV: Principles of Management will provide exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. This course, coupled with what cadets have already learned during their time in AFJROTC, will equip them with the qualities needed to serve in leadership positions with the corps. Throughout the text are many ethical dilemmas, case

studies, and role play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions.

AVID – ADVANCEMENT VIA INDIVIDUAL DETERMINATION

One-year Course 10 credits
Open to Grades: 9-12
Prerequisites: Teacher recommendation/interview

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 WIC-R (writing to learn, inquire, collaboration, 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

HEALTHFUL LIVING

One-year Required Course
Open to Grades: 9
Prerequisites: None

A comprehensive health program covering traditional health topics such as high school orientation, drug abuse and mental health in a high-interest manner, so that each student has a working knowledge that will promote a healthy lifestyle. While using updated materials, learning activities, and technology, students are provided many opportunities to apply this understanding of health knowledge by incorporating decision-making skills and practice ways 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 SIGNED CONTRACT REQUIRED**

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.

EDUCATION

*** INTRODUCTION TO EDUCATION**

ROP- One- Year Course
Double-Period Internship Course 20 Credits
Open to Grades: 11 and 12

This course is a year-long, academically-focused course designed to introduce students to the theory behind learning and teaching, preparatory to internships and possible employment as paraprofessionals in elementary and/or secondary classrooms and/or special education programs. Students will study the history of education in the United States, sociological factors influencing educational systems, the psychology of teaching and learning, the psychology of classroom management, curriculum design and educational standards, assessment and evaluation in education, education policy and politics, and use of technology in education. In a co-requisite practicum/internship course, students will receive training in the

fundamentals of education with an emphasis being placed on teaching as an instructional aide, applying the theories learned in Introduction to Education. It also trains for instructional aide and peer tutor/technician positions. At the end of the course, students may be certified as an instructional aide, which will enable them to immediately enter the job market or continue education in a college level teacher training program. The course also helps prepare students for entry into university or post-graduate teacher training classes.

EARLY CHILDHOOD EDUCATION

ROP, One-Year Course 10 Credits
Open to Grades: 9,10,11,12

This course provides instruction and training for students interested in careers related to the teaching and child care professions. This course is designed to be an introductory preparation of students for employment as further training as paraprofessionals in pre-school, elementary and/or secondary classrooms and/or special education programs. Topics of instruction include: growth and development of the young child, guidance of the young child, child abuse and reporting requirements, ability to use research materials, and creation of an activity box for a child to be used as a resource box when working with children. Students who achieve competency in this course will develop skills in development of the young child, guidance of the young child, child abuse laws and regulations, and activity plans to use with children and will be prepared for entry-level employment. Entry-level positions include teacher's assistant or instructional aide.

BUSINESS

CONTEMPORARY STUDY OF BUSINESS

ROP, One-Year Course 10 credits
Open to Grades: 9, 10, 11, 12

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

***ECONOMICS OF BUSINESS MANAGEMENT**

ROP, One-Year Course 10 credits

High School Econ Credits
Open to Grades: 10, 11, 12

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

PRINCIPLES OF MANAGEMENT

ROP, One-Year Course 20 credits
Double-period Internship Course
Open to Grades: 11 & 12

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

CONSUMER FAMILY SCIENCE

The courses in consumer family science will concentrate on beginning foods and home interior decorative arts. Beginning foods for the first semester and Creative Crafts second semester.

FOODS (BEGINNING) – First Semester Course*

(*Those students that wish to stay for 2nd semester will be automatically enrolled in Craft-one Scrap Booking.)

Open to Grades: 10-12

Prerequisites: Pass a standard safety test in order to cook on lab days. Lab fee is \$20 each semester.

Students will be introduced to Safety and Sanitation in food preparation. They will develop skills for life using basic math, reading, writing, and listening. Working as team members within the kitchen groups that are assigned to them, they will plan and organize their own kitchen area, use kitchen appliances, read recipes, use lab sheets, know basic measuring methods, table manners, table setting, and napkin folding techniques. Units of study include baked goods, casseroles, soups, holiday cooking, and snacks, and a demo on 30-minute meals.

CREATIVE CRAFT ONE – Second Semester Course

Creative craft one class is offered only second semester. Within this class you will be making different projects that include some of the following: working with plastic canvas needlepoint within the area of making something in the line of a tissue box cover, mini tissue holder, mug, checkbook cover, note holder and etc. Also working with craft lacing in making key rings, lanyard, needle thread art on a card, and working within a scrap book that you put together from start to finish. You will be required to draw up blueprints for each page that is (10) pages that will be in your book. All work is done within the classroom, and no work is to leave the room until finished. A lab fee of \$20.00 is required for this class and an 8x8 inch scrapbook, along with the photos that you want to place into your scrapbook.

using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. Fulfills a requirement for the IT and Engineering Certification and is part of a four-year sequence of Project Lead the Way (PLTW.)

*** DIGITAL ELECTRONICS**

One-year Course

Open to Grades: 9-12

Prerequisites: An approved application to the pre-engineering program is required.

This course provides a significant theoretical and practical introduction to the field of Digital Electronics. Students will start with fundamentals of electronic theory. In the course of doing a number of projects, students will then progress through Number Systems, Gates, Boolean Algebra, Combinational Logic Circuit Design, Adding Flip Flops, Shift Registers and counters, Families and Specifications, Microprocessors, and a Capstone Project encompassing all of these.

*** PRINCIPLES OF ENGINEERING**

One-year Course

Open to Grades: 10-12

Prerequisites: Must have taken Intro to Engineering or Digital Electronics. An approved application to the pre-engineering program is required.

Students will design, build, and test a variety of projects. They will learn about the design process, engineering systems, the strength of materials, and reliability.

****CIVIL ENGINEERING/ARCHITECTURE**

One-year course

Open to Grades: 11-12

Prerequisites: Must have taken at least 2 of the 3 other engineering courses or permission of the instructor.

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as:

- The Roles of Civil Engineers and Architects
- Project Planning
- Site Planning
- Building Design
- Project Documentation and Presentation

ENGINEERING Project Lead the Way

The Project Lead the Way (PLTW) pathway to engineering curriculum is designed as a four-year high school sequence taught in conjunction with traditional math and science courses. The program is divided into rigorous, relevant, reality-based courses, including: Introduction to Engineering Design, Digital Electronics, and Principles of Engineering, plus a capstone course (e.g., Aerospace Engineering, Civil Engineering and Architecture, or Biotechnical Engineering).

*** INTRO TO ENGINEERING DESIGN**

One-year Course

Open to Grades: 9-12

Prerequisites: Enrolled in or completed Algebra I also an approved application to the pre-engineering program is required.

This course uses Computer Aided Drafting (CAD) extensively and teaches problem-solving skills

* PHYSICS AND TECHNOLOGY

One-year Course (Physical Science credit)

Open to Grades: 9-12

Prerequisites: Enrolled in or completed Algebra I
Physical Science credit)

A laboratory based course in physics that provides an understanding of the practical and technical applications of mechanical, fluid, electrical, and thermal systems. Physics and Technology is designed for students who like “hands on” science and who may be planning for a technical career. This course is recommended for pre engineering students.

ENGLISH (Four Years Required)

AP, IB AND HONORS ENGLISH POLICY

The Highland High English Department believes that students should have access to accelerated, advanced coursework earned through their diligent dedication to academic study. Students are strongly encouraged to strive to qualify for higher level course work from 9th grade on if they intend to apply for acceptance to a four-year university during their senior year. Students may apply to advance to honors during their 9th & 10th grade coursework at the start of any semester (space allowing). Students entering 11th or 12 grades may only qualify for AP coursework at the start of the year due to the rigorous year- long curriculum. IB curriculum begins in 9th grade and requires early enrollment during the 9th grade year to complete the program in full.

1. Grade of “B” or better in a current honors English course, OR “A” in a regular English course.
2. Completed contract form, signed by the student, the parent, and the current teacher. A signature from the English teacher indicates the student is ready for advanced English curriculum which is taught at an accelerated rate. **Student must understand that *helshe is enrolling in a two (2) semester class and that helshe will not be permitted to drop the class at any time. Student must understand this is a college level class* that usually requires one to one and a half hours of homework each night. Student must understand that late work for the summer assignment will be deducted 10% per week up until the end of the first quarter. Student must understand that summer work will not be accepted for credit after that deadline. Student will ask the honors or AP teacher for assistance. Student should be aware that he/she is**

required to take the AP exam (if they are in 11th or 12th grade) and the cost will be approximately \$84.00 per test. Student must also understand that fee reductions may be available, based on the Federal School Lunch Program, but it is their responsibility to inquire about and discuss fee reductions with the AP coordinator. Student must understand that if for any reason they do not take the AP exam (in 11th and 12th grade), they will be given regular credit (non-weighted) not Advanced Placement credit for that entire year’s English class.

3. Completion of the summer reading assignment for the course. This assignment is weighted as 15% of the semester grade.

Summer reading assignments are due on the second day of the semester a student enters Honors English.

Late summer reading assignments will be accepted up until the end of the quarter. Late summer work will not be accepted after the end of the 1st quarter. Late summer work will lose 10% of original value per week it is late. Incomplete or late summer reading work will impact course grade by one letter grade or more, depending on when it is turned in. A zero will be entered for the assignment the first week of the semester and will dramatically and immediately affect the student’s grade.

Students entering 12th grade AP English course must also take an essay and multiple-choice placement test before being considered for AP 12 due to limited space.

* ENGLISH 9

One-year Course

Open to Grades: 9

Prerequisites: None

English 9 curriculum is based on the California Standards for grades 9-10 and uses the core text Holt Literature and Language Arts, 3rd 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 Romeo and Juliet and selections from The Odyssey.

*** ENGLISH 9 HONORS SIGNED CONTRACT REQUIRED**

One-year Course

Open to Grades: 9

Prerequisites: Acceptance into Honors Program and completion of the 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 SIGNED CONTRACT REQUIRED**

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 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.

*** ENGLISH 11**

One-year Course

Open to Grades: 11

Prerequisites: English 10

English 11 curriculum is based on the California Standards for grades 11 – 12 and uses the core text Holt Literature and Language Arts: Essentials of American Literature, 5th 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. The emphasis of the readings is on American literary periods including American Romanticism, Realism, the Moderns, the Harlem Renaissance, and the Contemporary.

*** AP ENGLISH 11 (AP Language and Composition) SIGNED CONTRACT REQUIRED**

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, and must have passed CAHSEE.

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 IB H1/HL2 SIGNED CONTRACT REQUIRED**

Two-year Course

Open to Grades: H1 = 11th HL2 = 12th

Prerequisites: Strong written and verbal scores (demonstrated by English 10 Honors grade of “C” or better), approved application to the IB program committee, completion of the summer reading assignments, must have passed CAHSEE.

The Language AI program is primarily a pre-university course in literature. It is a required course for both junior and senior IB diploma candidates. May be open to certificate candidates with instructor and coordinator approval.

Literature is concerned with our conceptions, interpretations, and experiences of the world. The study of literature, therefore, can be seen as a study of all the complex pursuits, anxieties, joys and fears that

human beings are exposed to in the daily business of living. It enables an exploration of one of the more enduring fields of human creativity and artistic ingenuity, and provides immense opportunities for encouraging independent, original, critical and clear thinking. It also promotes a healthy respect for the imagination and a perceptive approach to the understanding and interpretation of literary works. The discussion of literature is itself an art which requires the clear expression of ideas both orally and in writing.

*** ENGLISH 12/BRITISH LITERATURE**

One-year Course

Open to Grades: 12

Prerequisites: English 11

English 12 curriculum focuses on the contributions European, primarily British, and other world authors have contributed to literature. Students are expected to read, interpret, and discuss various novels, short fiction, essays, articles, poetry and plays as well as write numerous academic essays to be typed in MLA format. The emerging form of the essay and satire will be studied in-depth along with the epic tale, mythology, drama and poetry. This course teaches the standards for grades 11-12 as designated by the state of California. 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 necessary for college preparation. This course is approved for college accreditation for the University of California and the California State Universities.

*** ENGLISH 12/BIBLE AS LITERATURE**

One-year Course

Open to Grades: 12

Prerequisites: English 11

This course focuses on the study of the Bible as a foundation piece of classic Western literature. Students should be prepared to do a great deal of study, writing, and critical thinking in approaching the text as literature that forms the basis of other major Western writings including novels, short fiction and poetry. This is an excellent support course for AP English courses and for serious students of literature. The literature of the Old Testament will be presented first semester, while the New Testament will be the focus of second semester. This course meets the UC and CSU requirements for English 12.

*** ENGLISH 12/ETHNIC CULTURES**

One-year Course

Open to Grades: 12

Prerequisites: English 11

In celebrating the rich diversity among cultures, this thematic approach to literature encourages the student to form connections between the past, present and future through selected readings: novels, plays, poetry, essays, and videos from classic and contemporary sources originating primarily from the non-English speaking world. Emphasis will be on thoughtful discussions and exchange of ideas. Students will also prepare for college entrance exams and writing requirements. This class is open to all seniors who desire to be ready for their future in the global society and economy. This course meets the UC and CSU requirements for English 12.

****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 non-fiction 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) SIGNED CONTRACT REQUIRED**

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, must have passed CAHSEE.

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.

THE FOLLOWING ARE ELECTIVE CREDIT ONLY:

LITERATURE SUPPORT

One-year Course

Open to Grades: 9-12

Prerequisites: Student may be placed in this course

based on Child Study Team scores.

Reading Skills I uses district and state approved reading intervention program to support student understanding and mastery of essential phonics, vocabulary, grammar, reading comprehension and study skills necessary for academics 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: Student 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. Course may be repeated for credit.

YEARBOOK

One-year Course

Open to Grades: 10-12

Prerequisites: Instructor permission

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:

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.

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.

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 are to be placed in a grade appropriate English class.

any of the following courses at the start of 2nd semester. Students interested in taking four years of study should enroll in the honors program in Latin or Spanish.

*** FRENCH I**

One-year Course

Open to Grades: 9-10

Prerequisites: "B" or better in English OR teacher permission

This course introduces the fundamentals of the French language. Reading and writing, listening and speaking skills are emphasized and basic grammatical structures and vocabulary are thoroughly treated. The cultures of French-speaking nations are used throughout as the basic context for the language.

*** FRENCH 2**

One-year Course

Open to Grades: 10-11

Prerequisites: French I with "C" or better

A continuation of the study of the fundamentals of French. Further practice of listening and speaking skills. Basic grammatical structures are expanded along with useful and topical vocabulary.

*** FRENCH 3**

One-year Course

Open to Grades: 11-12

Prerequisites: French 2 with "B" or better

A course designed for the third year student of French. This level will continue to systematically review the fundamentals of French speech and grammar with a greater emphasis on reading and composition skills. Culture and contemporary history are frequently discussed.

*** FRENCH 4**

One-year Course

Open to Grades: 11-12

Prerequisites: French 3 with "B" or better

Course taught entirely in French designed to help students become fully functional in the language, enabling them to listen, speak, read, and write on a variety of topics. The cultural segments of instruction should enable the student to use the language appropriately with native speakers.

*** SPANISH I**

One-year Course

Open to Grades: 9-10

Prerequisites: "B" or better in English OR teacher permission

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. It is strongly recommended that all students begin their foreign language study during their freshmen year. Students will not be allowed to drop

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 I HONORS**

First Year of a Four Year Sequence

Open to grades 9 and 10

Prerequisite: Acceptance to the Highland Honors Program

This is the first year of a four year course sequence that culminates with either the Advanced Placement Spanish Language Exam or the International Baccalaureate Language B (Standard Level) 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 I with "C" or better ("B" recommended)

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 10 and 11

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 or the International

Baccalaureate Language B (Standard Level) 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: 11-12

Prerequisites: Spanish 2 with "B" or better

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 or the International Baccalaureate Language B (Standard Level) 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 in either IB or AP content and format.

*** SPANISH 4 – ADVANCED PLACEMENT SPANISH LANGUAGE**

Fourth year of a Four Year Sequence

Open to grades 11 & 12

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

Students prepare for the Advance Placement Exam in Spanish Language. The focus is the demonstrated mastery of conventions of the Spanish

language including accuracy, production, and comprehension.

*** SPANISH IB SL**

Fourth year of a Four Year Sequence

Open to grades 11 & 12

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

Students prepare for the International Baccalaureate Examination in Spanish Language B (Standard Level). The focus is analysis in Spanish of contemporary topics of global importance.

*** SPANISH FOR SPANISH SPEAKERS (1, 2, or 3)**

One-year Course

Open to Grades: 9-12

Prerequisites: The student must have the ability to understand and speak Spanish as their primary or heritage language.

This course is for a student who speaks Spanish as a result of growing up in a Spanish speaking family. The course is intended for Spanish speakers who have not had a formal education in Spanish. Each year of the three year sequence focuses on errors common to heritage speakers of Spanish, literature, current events, and ultimately leads to the students being prepared for the Advanced Placement Spanish Language Examination.

***AMERICAN SIGN LANGUAGE I**

Open to Grades: 9-11

Prerequisites: None

American Sign Language I is a rigorous curriculum designed to provide 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: C or above in ASL I

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: C or above in 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.

*** GERMAN I**

One Year Course

Open to grades 9 - 12

Prerequisite: One-Year Course

Prerequisites: "B" or better in English or teacher permission

This course is a college preparatory course in the German language. It is assumed that the student will continue through at least the second-year level. Basic grammar, vocabulary, and conversation are emphasized; and cultural material for the German-speaking countries and regions is used to supplement the study of the target language in accordance with the California State Standards for World Languages.

*** LATIN I HONORS**

One-year Course

Open to Grade 9

Prerequisites: Acceptance into Honors Program or Instructor Permission

An introduction to read in Latin, beginning with simple and entertaining stories about a family in Pompeii. The students learn about the culture of Roman civilization through the eyes of the Caecilius family in Pompeii in book 1 and then meet the Salvius family in Roman Britain in book 2 as well as taking a trip to ancient Alexandria, Egypt. The episodic nature of the stories encourages the student to read ahead to find out what happens next to the eccentric characters. The grammar proceeds from simple to compound to complex sentences.

*** LATIN 2 HONORS**

One-year Course

Open to Grade 10

Prerequisite: successful completion of Latin I Honors

Through more detailed readings and with more complex grammatical structures, the students continue to learn about Roman civilization and culture as they follow their favorite characters and "favorite"

villains who move from Rome and Britain to the city of Rome itself. Romance, intrigue, and nefarious plots keep up the interest in the stories as students learn about politics, government, religion and philosophy in the ancient world. Grammar includes the subjunctive mood in subordinate clauses, the first and second periphrastic constructions and deponent verbs.

**** LATIN 3 HONORS**

One-year course

Open to Grades: 11

Prerequisites: successful completion of Latin 2 Honors

The first semester concludes the adventures of Quintus, Caecilius, Lucundus, in Rome and introduces the students to works of Roman authors. Poetry is gradually introduced with a few epigrams by Martial, then Ovid, then a “poetry sampler” including Phaedrus, Martial, Catullus, Vergil, and Ovid. In the second semester students learn to scan dactylic hexameter and elegiac couplet in further study of the poetry of Ovid, the prescribed author for the IB curriculum, and of Catullus, whose poetry will be studied in more depth in Latin 4.

*** LATIN IB SL**

One-year Course

Open to Grade: 12

Prerequisite: successful completion of Latin 3

In Latin 4, the IB curriculum dictates the selections from Latin literature. The first semester includes the love poetry of both Catullus and Horace. The second semester is devoted to reading and interpreting the Aeneid of Vergil as an example of the Roman epic. Periodic reviews of Ovid are done during both semesters.

LAW AND GOVERNMENT ACADEMY

INTRO TO LAW & GOVERNMENT

One-year Course

Prerequisite: None

An introductory study of what law is, what government is, the function of law and government in society and how the laws and the government affect each of us citizens will be made. In addition, students will learn more about the Law and Government Academy program, and survey career options in the fields of law and government and related occupations.

CRIMINAL JUSTICE

ROP, Semester Course, 5 Credits

Open to Grades: 10, 11, 12

This course provides instruction and training for students interested in careers related to law and law enforcement. It is designed for students to examine criminal law, the distinction between various categories and types of crimes, the legal procedures involved in the criminal justice system, and punishments for different classifications of crimes. Students will study the development of the American legal system and will analyze criminal law cases as they relate to the topic of discussion.

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.

CRIMINAL INVESTIGATION

ROP, Semester Course, 5 Credits

Open to Grades: 10, 11, 12

This course is designed to be an extension of the Criminal Justice course. Students will spend one semester exploring the field of criminal investigation and the potential careers offered in this field. Class time will be divided between classroom instruction and practical field applications. Classroom instruction is designed to introduce the student to all aspects of criminal investigation, i.e., searches, crime scene preservation, report writing, interrogations, etc. Field applications will have the student investigating and solving various mock crimes. Additionally, the student will benefit from guest speakers from the local law enforcement and forensic science communities.

LAW ENFORCEMENT CAREERS

ROP, One-Year Course, 20 Credits

Double-Period Internship Course

Open to Grades: 11 and 12

This course provides instruction and training for students interested in law and law enforcement related careers. Students who achieve competency in this course will develop knowledge and skills in physical and professional traits in law enforcement, purpose of a criminal investigation, oral and written communication skills, arrest procedures, Penal and Vehicle Codes, and will be prepared for entry-level employment.

Students will learn to develop their leadership traits through team building and group exercises. Students will participate in ride-alongs with the L.A.

County Sheriff's Department and job shadowing. Guest speakers from law enforcement field are an essential part of the course.

CRIME SCENE PHOTOGRAPHY

One-year Course

Open to Grades: 10-12

Prerequisites: None; however, Law & Gov't. Academy students will be registered first. Other students enrolled on a space available basis.

This course is designed to provide the student with organized and specialized learning experiences in photography as it pertains to law enforcement. Units of study will include camera operation and techniques, lighting, negative processing, enlarging, the correct use and care of photo equipment, producing mounted photos as evidence, ethics, and copyright laws. There will be guest speakers, and perhaps, field trips to crime labs. There is a student cost for materials used.

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

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

ALGEBRA SUPPORT

One-year Course

Open to Grade: 9 only

(must be concurrently enrolled in Algebra I)

Prerequisites: teacher recommendation or placement test

This course is designed to support incoming 9th graders who are not fully prepared to succeed in Algebra I. The course re-enforces the California Content Standards discussed in Algebra I, with an emphasis on 3 areas: pre-teaching, re-teaching, and basic skills. Students who are successful may exit the course at the end of semester one to make space for students to enter semester two who may require the support. **THIS COURSE COUNTS FOR ELECTIVE CREDIT ONLY.**

*** ALGEBRA I**

One-year Course

Open to Grades: 9-12

Prerequisites for Grade 9: placement by test AND teacher recommendation.

Prerequisites for Grades 10-12: 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 I will be presented in accordance with the California Standards. Students will be prepared for the CASHEE (California High School Exit Exam), the GSE (Golden State Exam), and the SAT 9. The Standards can be viewed at

HYPERLINK "<http://www.cde.ca.gov/standards/>"
<http://www.cde.ca.gov/standards/>

*** GEOMETRY**

One-year Course

Open to Grades: 10-12

Prerequisites: For grades 10-12, "D" or better for both semesters in Algebra 2.

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 will be presented in accordance with the California Standards. Students will be prepared for the CAHSEE (California High School Exit Exam), the GSE (Golden State Exam), and the SAT 9. The Standards can be viewed at : <http://www.cde.ca.gov/standards>

*** ALGEBRA 2**

One-year Course

Open to Grades: 9-11

Meets UC/CSU Math Requirement

Prerequisites for Grades 9: Completed Algebra I including chapters on systems of Equations, Radicals, Exponents, and Solving Quadratic Equations using both factoring and the quadratic formula and score a 25 or higher on the placement exam.

Prerequisites for Grades 10 -12: D or better in Algebra I AND teacher recommendation.

9th graders with C or D in Algebra I will also be registered in Algebra 2 Support Class.

This discipline complements and expands the mathematical content and concepts of Algebra I. 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. This course will be presented in accordance

with the California Algebra 2 Standards. Students will be prepared for the PSAT, SAT and college placement tests; as well as for mathematical courses involving Trigonometry. The standards can be viewed at: <http://www.cde.ca.gov/standards/>

CAHSEE MATH

One-semester or one-year course (math credit)
Open to Grades: 10-12 with Teacher Recommendation
Prerequisites: 10th graders with a “C or lower” in Algebra I (from 9th grade), 11th and 12th graders who did “NOT” pass the CAHSEE.

A one year course designed to help students pass the CAHSEE. The course reinforces the types of questions that are on the exam, with an emphasis on three areas: pre-teaching, re-teaching, and basic skills. Students who pass the exam may exit the course at the end of semester one to make space for students to enter semester two who may require the support. This course is taken concurrently with their present math class. This class also gets math credit towards graduation.

CAHSEE MATH PREP ALGEBRA 2 SUPPORT

One-year Course
Open to Grades: 10
This class is for students who need support in passing both the CAHSEE Test and Algebra 2 class. Students must be 10th graders. Students must be concurrently enrolled in Algebra 2. Students receive elective credit. Students must have passed both semesters of Algebra I with either a C or a D. Students who repeat Algebra I in summer school successfully are recommended to take the course also.

*** GEOMETRY/TRIGONOMETRY (GEO/TRIG)**

Open to Grades: 10 and 11 only One-Year Course
Meets UC/USC Math Requirement
Prerequisite: Grade A in Algebra 2 with 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, Trigonometry, and Math Analysis Standards.

*** CONTEMPORARY TOPICS IN MATHEMATICS**

One-year Course
Open to Grades: 11 & 12
Prerequisites: Algebra 1, Geometry, and Algebra 2 with a “C” or better.

An overview of mathematics for the college bound student who is planning to major in liberal arts, elementary education, social sciences, business, nursing, and allied health fields. The student will be presented with material from eight major topical areas of mathematics: approaches to problem solving; sets’ logic; numeration and mathematical systems; number theory; linear and consumer math equations; geometry and trigonometry; and probability and statistics. The goal of the course is to help students take the placement exams for trigonometry or college algebra at the college level.

*** INTRO TO PROBABILITY AND STATISTICS**

One-year Course
Open to Grades: 12
Prerequisite: Algebra I

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 SIGNED CONTRACT REQUIRED**

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.

*** MATHEMATICAL STUDIES IB SL
SIGNED CONTRACT REQUIRED**

Prerequisites: Completion of Algebra I, Geometry, Algebra 2 or higher with a "C" or better. One of two math choices for IB juniors.

This course is meant for students who have basic knowledge of mathematical concepts. Students will be expected to have mathematical background as they prepare for future studies in subjects such as English, language, fine arts, and history. This course encourages students to get an international view of the language of mathematics while appreciating its cultural and historical perspectives. The main topics for discussion are Algebra, functions and equations, geometry and trigonometry, statistics and probability, financial mathematics and an introduction to Calculus. The students will be expected to complete a portfolio consisting of one mathematical paper (Internal Assessment) and the IB exam in May (External Assessment). A graphing calculator is required for this course as per IB and the College Board.

*** MATHEMATICS IB SL
SIGNED CONTRACT REQUIRED**

One -year Course

Pre-requisites: Completion of Geometry/Trigonometry, Algebra 2/Trig, or Trigonometry/Pre-Calculus with a "B" or better AND teacher's recommendation. One of two math choices for IB juniors.

This course is meant for students who already possess knowledge of basic mathematical concepts, and will be expected to have sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration. One of the aims of this course is to enable students to appreciate the multiplicity of cultural and historical perspectives of mathematics. This includes the international dimension of mathematics. The main topics for discussion are Algebra, Probability, and Calculus. The students will be expected to complete a portfolio consisting of at least two mathematical papers (Internal Assessment) and the IB exam in May (External Assessment). A graphing calculator is required for this course as per IB and the College Board.

***TRIGONOMETRY/PRE-CALCULUS**

One-year Course

Open to Grades: 11-12

Prerequisites: Algebra 2 with "B" or better or "C" with teacher recommendation. Students who receive a "D" in Algebra 2 may NOT take this course.

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 will be presented in accordance with the California Standards. Students will be prepared for the SAT, college placement tests, and the SAT 9. The Standards can be viewed at "<http://www.cde.ca.gov/standards/>"

*** CALCULUS AB/ AP SIGNED CONTRACT
REQUIRED**

One-year Course

Open to Grades: 11-12

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

A rigorous course designed to meet requirements of college bound math and science oriented students. Student 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 SIGNED CONTRACT
REQUIRED**

One-year Course

Open to Grades: 12

Prerequisites: Calculus AB/ AP with "B" or better 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 the 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)

Freshman Physical Education 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.

Note: All students will have fitness at the track/run/circuit training.

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)

Sophomore physical education 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.

Note: All students will have fitness cardio-fitness step blocks, jump ropes and will take part in fitness at the track weekly- run/circuit training.

PE ELECTIVES

Elective Credit Only

Does not count for PE Credit

ATHLETIC WEIGHT TRAINING - 0 Period only

Does not count for PE credit!

Open to Grades: 10 – 12

Prerequisites: PE uniform and a combination lock

Meets daily at 6:30 AM. The curriculum is an enhanced and enriched version of physical education with an increased emphasis on weight room, fitness and conditioning. California standards and fitness will be incorporated by athletics.

Note: Students must be able to have transportation to class. Due to the fact of the early bird hour a behavior contract with parents is required. **ELECTIVE CREDIT ONLY!**

ATHLETIC CONDITIONING/TEAM SPORTS - 7th period only.

PE CREDIT GRADES 10-12 ONLY!

Open to Grades: 9-12

Prerequisites: Must have Varsity Coach Permission, Physical Ed department chair signature. Must be selected/placed in the class.

The curriculum is advanced level, athletics will work on proper-nutrition, training technique, advanced strategies (offense and defense), conditioning, big, stronger, faster, principal of training. Students will participate in strength training, flexibility training, and speed and quickness enhancement. Students will be involved in setting personal goals, programs and specific activities for athletic enhancement as per design of their Varsity coach. This class is designed for athletes who want to work on the Bigger, Faster, stronger, vertical jump theory. **PE CREDIT FOR GRADES 10-12 ONLY!**

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 CAL STATE OR UC SCHOOLS.

*** 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 SIGNED CONTRACT REQUIRED**

One-year Course (Life Science credit)

Open to Grades: 9

Prerequisites: Enrolled in English 9 Honors, AND/OR instructor permission. Acceptance into Honors Program required.

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.

*** BIOLOGY IB H1/HL2 SIGNED CONTRACT REQUIRED**

Two-year Course (Life Science credit)

Open to grades: H1 = 11th HL2 = 12th

Prerequisites: Completed Biology, Chemistry, AND/OR instructor permission., and must have passed CAHSEE.

IB-HL Biology is a college level 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.

*** AP BIOLOGY SIGNED CONTRACT REQUIRED**

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, must have passed CAHSEE. 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.

*** 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, and must have passed CAHSEE.

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.

*** CHEMISTRY**

One-year Course (Physical Science credit)

Open to Grades: 10-12

Prerequisites: Algebra I 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 SIGNED CONTRACT REQUIRED**

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, and must have passed CAHSEE.

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.

*** CHEMISTRY IB HLI/HL2 SIGNED CONTRACT REQUIRED**

Two-year course (Physical Science credit)
Open to grades: HLI=11TH HL2=12TH

Prerequisites: Completed Biology, Chemistry AND/OR instructor permission, and must have passed CAHSEE.

IB-HL Chemistry is a college level course that is recognized as laboratory science. It surveys the major academic areas of the chemical 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.

*** AP CHEMISTRY SIGNED CONTRACT REQUIRED**

One-year course (Physical Science credit)
Open to Grades: 11-12

Prerequisites: Chemistry with a "B" or better, with excellent reading and Algebra II skills required AND/OR instructors permission, and must have passed CAHSEE.

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

chemical concepts and qualitative and quantitative laboratory methods at the college level. This course successfully prepares students to pass the AP Chemistry tests. Students are expected to take the AP Chemistry test in the spring. This course meets the lab science entry requirement for Cal State or UC schools.

*** PHYSICS**

One-year course (Physical Science Credit)
Open to Grades 10-12

Prerequisites: Completed Biology, Algebra I, concurrent enrollment in Algebra II (or higher math) recommended.

The physics course includes laboratory work to help students understand forces and motion, energy and momentum, electricity and magnetism, waves, sound, and thermal energy. This course meets the lab science entry requirement for Cal State or UC schools.

SCIENTIFIC PRINCIPLES OF FORENSICS

One-year course (Physical Science credit)
Open to Grades: 11-12

Prerequisites: Geometry and Biology with a "C" or better OR Life Science with a "B" or better.

This exciting class will give the students a chance to analyze evidence found at a crime, such as fingerprinting, DNA testing, ballistics, blood evidence, and much more. Examine the evidence yourself to look for clues that will allow you to solve the crimes of the century. You could learn to be the next crime lab expert called to testify in court. **DOES NOT MEET THE LAB SCIENCE ENTRY REQUIREMENT FOR CAL STATE OR UC SCHOOLS.**

*** PHYSICS AND TECHNOLOGY**

One-year course (Physical science credit)
Open to Grades: 10-12

Prerequisites: Enrolled in or completed Algebra I. A laboratory based course in physics that provides an understanding of the practical and technical applications of Mechanical Fluid, Electrical, and Thermal Systems. This class meets the state requirements for Physical Science. Physics and Technology is designed for students who like "hands on" science and who may be planning for a technical career. 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 HONORS**

One –year Course
Open to Grade: 9
Prerequisites: Acceptance into Honors Program

World History Honors is a course designed to develop an understanding of the world's major cultures., history, art, music, literature, religions, and geography. The emphasis will be on Europe, Asia, Russia, and Latin America. This class is 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 and developing to modern. This course will provide a strong background for the IB History of the Americas course.

*** EUROPEAN HISTORY AP SIGNED CONTRACT REQUIRED**

One-year Course
Open to Grades: 9-10
Prerequisites: English 9 with a "B" or better AND instructor permission for 10th graders. For 9th graders, must be enrolled in English 9 Honors and be in the Honors Program.

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 SIGNED CONTRACT REQUIRED**

One-year Course
Open to Grades: 10-11
Prerequisites: AP instructor permission, recommendation of Honors English & World History teachers- 10th grade must be in Honors Program, 11th grade must have passed CAHSEE.

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.

*** 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.

* **CIVICS AP & ECONOMICS HONORS**

SIGNED CONTRACT REQUIRED

One-year course

Open to Grades: 12

Prerequisites: Completed at least one AP class in 11th grade with a "B" or better AND letters of 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. Must have passed CAHSEE.

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.

* **ECONOMICS IB SL** **CONTRACT REQUIRED**

SIGNED

One-year course

Open to Grades: 11-12

Prerequisites: Must be in the IB Program and must have passed CAHSEE.

Offered at the standard level, Economics is designed to promote an appreciation and understanding of economics as a discipline, including the concepts and theories associated with it and the tools and methodologies used by economists. It is intended to foster an international awareness and knowledge regarding the types of economic problems facing developing countries as well as those facing industrialized nations through a better understanding of macroeconomic aggregates/indicators and microeconomic principles. The course is divided into thematic units that address specific concepts and areas of economic study. Throughout the course, students will be taught to critically interpret and evaluate statistical data and other forms of economic evidence. Emphasis on application of theory to real world situations will be present throughout the course. This

course will require some summer work.

* **HISTORY OF THE AMERICAS IB HLI/HL2** **SIGNED CONTRACT REQUIRED**

Two-year Program

Open to Grades: HLI=11TH HL2=12TH

Prerequisites: Acceptance into the IB Program and must have passed CAHSEE.

Offered at the higher level, History is designed to promote: the acquisition and understanding of the historical knowledge in breadth and in depth, and across different cultures; an appreciation and understanding of history as a discipline, including the nature and diversity of its sources, methods and interpretations; international awareness and understanding by promoting the achievement of empathy with, and understanding of people living in diverse places and at different times; a better understanding of the present through an understanding of the past; an appreciation of the historical dimension of the human condition; an ability to use and communicate historical knowledge and understanding; and a lasting interest in history.

* **TOK-THEORY OF KNOWLEDGE IB** **SIGNED CONTRACT REQUIRED**

One-year course

Open to Grades 11-12

Prerequisites: See instructor for permission

TOK activities and discussions aim to help students discover and express their views on knowledge issues.

The course encourages students to share ideas with others and to listen to and learn from what others think. In this process students' thinking and their understanding of knowledge as a human construction are shaped, enriched, and deepened. Connections may be made between knowledge encountered in different Diploma Program subjects, in Community Action Service (CAS) experience or in extended essay research; distinctions between different kinds of knowledge may be clarified.

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

“\$” Indicates a Lab Fee for materials used

ART I

One-year course
Open to Grades: 9-12
Prerequisites: None

Art I 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**

Open to Grades: 12
Prerequisites: Art I; one other art course AND Instructor permission

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 I, 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. \$

VISUAL ARTS IB HLI/HL2 OR SL
SIGNED CONTRACT REQUIRED

HL= 2 Years SL= 2 Years Recommended
Open to Grades: 11-12
Prerequisites: International Baccalaureate have priority; others with instructor permission

The Visual Art IB course is a one or two year course, (two years recommended) where students study various art forms and create a portfolio representing their own original work. Assessment in the course is based largely on this portfolio and the student's ability to explain both the purpose and the development of his or her work. Students must have a background in art. \$

*** ANIMATION 1**

One-year Course
Open to Grades: 9-12
Prerequisites: Art I

Students will be introduced to the drawing and painting skills required for traditional cartooning and animation. Students will also be introduced to the

techniques associated with computer animation. There are fees for materials used. \$

**** ANIMATION 2**

One-year Course
Open to Grades: 10-12
Prerequisites: Animation 1 OR instructor permission.
This course is designed as a continuation of Animation 1. There are fees for materials used. \$

**** ANIMATION 3**

One-year Course
Open to Grades: 12
Prerequisites: Animation 2 OR instructor permission.
This course is designed as a continuation of Animation 2. There are fees for materials used. \$

*** CERAMICS I**

One-year Course
Open to Grades: 9-12
Prerequisites: Art I OR instructor permission

Ceramics I is an introduction to working with clay. Students will learn hand-building methods such as slab work, pinch pots, coils and extruded clay. Introduction to pottery wheel basics will also be covered. A history of primitive ceramic techniques will be included. Aesthetics related to ceramics will be taught, giving students the ability to appreciate various forms of pottery from different cultures. Students will keep a ceramics class notebook. There are fees for materials used. \$

*** CERAMICS 2**

One-year Course
Open to Grades: 10-12
Prerequisites: Ceramics 1 OR instructor permission

Projects will be advanced hand-building, wheel-throwing, and clay sculpture. Introduction to slip-casting and mold-making may be included. Glaze experimentation and various ceramic decorations will be included. Students will keep a sketchbook and journal of their work. There are fees for materials used. \$

*** CERAMICS 3**

One-year Course
Open to Grades: 11-12
Prerequisites: Ceramics 2

Students will learn advanced projects on the potter's wheel. Sculpture and mold-making techniques and glaze experimentation will be explored. Students may propose their own projects. There are fees for materials used. \$

CRIME SCENE PHOTOGRAPHY

One-year Course

Open to Grades: 10-12

Prerequisites: None; however, Law & Gov't. Academy students will be registered first. Other students enrolled on a space available basis.

This course is designed to provide the student with organized and specialized learning experiences in photography as it pertains to law enforcement. Units of study will include camera operation and techniques, lighting, negative processing, enlarging, the correct use and care of photo equipment, producing mounted photos as evidence, ethics, and copyright laws. There will be guest speakers, and perhaps, field trips to crime labs. There is a student cost for materials used. \$

*** DRAWING/PAINTING I**

One-year Course

Open to Grades: 10-12

Prerequisites: Art I or equivalent introductory art course with "B" or better

This course is better served to those students with a fine art interest. First semester includes a wide variety of drawing materials, with an emphasis on experimentation and learning skills. Second semester includes painting techniques using a wide variety of available materials. Color theory and principles of design will also be incorporated. A portfolio of work will be produced. There are fees for materials used. \$

*** DRAWING/PAINTING 2**

One-year Course

Open to Grades: 11-12

Prerequisites: Drawing/Painting I AND instructor permission

Upper division class drawing (one semester) and painting (one semester). Students will continue to explore a variety of drawing and painting materials. Individual styles will be encouraged. A portfolio of work will be produced throughout the course. There are fees for materials used. \$

INTERIOR DESIGN

One-year Course (fine art credit)

Open to Grades: 11-12

Prerequisites: None

An introduction to the basic elements and principles of interior design, including color theory, furniture arranging, lighting, selection of fabrics and materials, and creating floor plans. Students will develop and present design solutions through the appropriate media. This course is for students interested in a career in interior design, architecture,

or to improve the quality of their environment. \$

GRAPHIC ARTS

One-year Course

Open to Grades: 10-12

Prerequisites: Art I

Graphic artists have the most exciting jobs creating: comic books, designing advertisements, DVD covers, book jackets, movie posters, package designs, product and toy designs, and much more. Material fees are required for this class. \$

*** PHOTOGRAPHY I**

One-year Course

Open to Grades: 11-12

Prerequisites: None

An introductory course in the techniques and methods of film and digital photography. Basic skills will be practiced and perfected, such as camera techniques, lighting, negative processing, enlarging, the correct use and care of photo equipment, print making, and photo aesthetics. There are fees for materials used. \$

**** PHOTOGRAPHY 2**

One-year Course

Open to Grades: 12

Prerequisites: Photography I 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. \$

*** VISUAL COMMUNICATIONS I (Intro to Film and Video Theory)**

One-Year Course, 10 Credits

Open to Grades: 9,10,11,12

The student in Introduction to Film and Video Theory will develop a wide-ranging appreciation for the various aspects of the media/entertainment industry as it relates to potential career selections, as well as educational applications and personal development skills. As a result of full participation in this course, the student will reinforce academic skills by developing an introductory knowledge of the following segments of the media/entertainment industry: cultural and film history, story development, types of visual media, industry and literary vocabulary (lexicon), job/career opportunities, and the role of media in our society.

**** VISUAL COMMUNICATIONS 2 (Film Theory and Production)**

One-Year Course, 10 Credits

Open to Grades: 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 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.

**** VIDEO PRODUCTION (Video Theory and Production)**

ROP, 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 Video Theory and Production course introduces students to digital video cameras, computers and related software to edit and apply effects. Students study the theoretical aspects through the variety of reading and multimedia materials, as well as work on a variety of projects including commercials, documentaries, music videos and personal/historical biographies.

***FILM IB HLI/HL2 or SL
CONTRACT REQUIRED**

SIGNED

HL= 2 Years SL= 2 Years Recommended

Open to Grades: 11-12

The film course at SL and HL aims to develop in students the skills necessary to achieve creative and critical independence in their knowledge, experience and enjoyment of film. The aims are to promote an

appreciation and understanding of film as a complex art form, and an ability to formulate stories and ideas in film terms.

*** DRAMA I**

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 I 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**

Two-year Course

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, script writing, and directing. Students are urged to work on the various productions staged throughout the year. \$

STAGE CRAFT

One-year Course

Open to Grades: 9-12

Prerequisites: None

Course of study includes set design and construction for drama productions presented on the Highland stage. Students will be given hands-on experience in lighting and sound operation, set construction, and theater management. Students are required to work on the various productions presented throughout the year. This crew participation requires a minimum of 10 hours per semester outside of class and is 30% of the class grade. There is a nominal shop card fee to cover supplies for projects that students will bring home. \$

*** THEATRE ARTS IB HL1/HL2 OR SL
SIGNED CONTRACT REQUIRED**

HL = 2 Years SL = 2 Years Recommended

Open to Grades: 11-12

Prerequisites: IB Elective

The IB Elective Course in Drama is a two year program where students study all elements of Theatre Arts. Whether HL or SL, the course is designed for two years. The course involves students in academic study of theatre history and word traditions as well as practical study of acting and technical theatre techniques. In addition, students have the opportunity to go to live theatre every semester and participate in live theatre productions in their area of interest. It is a dynamic, rigorous, and fun course for the motivated IB student.

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: 11-12

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.

CHORAL ENSEMBLE

One-year Course

Open to Grades: 11-12

Prerequisite: Audition

Coral Ensemble is a select group of auditioned singers. This course follows A Cappella Choir (Level 3). 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.

*** CONCERT CHOIR**

One-year Course

Open to Grades: 10-12

Prerequisites: Previous experience or audition

Girls, girls, girls love to sing? Learn about vocal development, ear training, sight singing, and fundamentals of music. Standard literature for treble voices (female) is studied. Members are required to participate in all performances, including two evening performances.

*** MIXED CHORUS**

One-year Course

Open to Grades: 9-12

Prerequisites: None

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.

*** 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.

*** JAZZ ENSEMBLE**

One-year Course

Open to Grades: 9-12

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.

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 INSTRUMENTATION**

One-year Course
Open to Grades: 9-12
Prerequisites: None

Students will learn to read, write, and perform basic music. This course is a pre-requisite for Concert and Marching Bands.

STUDENT ASSISTING CLASSES

STUDENT AIDE

One-semester or one-year Course
Open to Grades: 11-12
Prerequisites: Teacher/Office permission AND Department Head permission. Student and parent must sign a contract that they understand the class standards and responsibilities. (JUNIORS MUST BE ENROLLED IN SCIENCE AND MATH)

Teachers Aide - To prepare students to work with teachers in various classroom-learning situations. Student assists teacher and helps other students as directed by the teacher.

Office Aide - A course designed to prepare students for office positions by acquainting them with various office procedures such as filing, preparation and use of office forms, reception work, etc. Duties vary with the office involved.

Students may earn a maximum of 30 credits as a student aide, and no more than 20 credits in any one area (Student Aide for teachers is one area; Student Aide for an office is another area).

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.

ADDITIONAL COURSES AVAILABLE AT OTHER CAMPUSES:

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

HEALTH SCIENCE AND PUBLIC SERVICES

Health Careers Academy
Through application process only
6th/7th periods only
Located at Palmdale High School

Medical Clinical I (taken concurrently with Medical Science I)

ROP, One-Year Course, 10 Credits
Open to Grades: 11 and 12

This course provides instruction and training for students interested in careers in the health care professions. Students who achieve competency in this course will develop knowledge and skills required for entry into the health care occupations and meet the needs of the advanced clinical program. After initial

required medical subjects, students will spend two days per week in clinical sites developing clinical skills. Successful students will receive a certificate listing the proficiencies which they have completed during the course. Course provides certification for BLS CPR, Advanced First Aid, and phlebotomy certification, and will be prepared for entry-level employment.

Medical Science I (taken concurrently with Medical Clinical I)

ROP, One-Year Course, 10 Credits

Open to Grades: 11 and 12

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

Fire Technology

Through application process only

Located at North County Training Center in Palmdale

ROP, Semester Course, 5 Credits

Open to Grades: 11 and 12

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

EMT (Emergency Medical Technician)

Students must meet eligibility criteria

Located at Palmdale High School

ROP, One-Year Course, 10 Credits

Open to Grades: 12 only

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

Dental Assisting

ROP, One-Year Course, 20 Credits

Double-Period Internship Course

Located at Antelope Valley High School

Open to Grades: 11 and 12

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

Video Game Design

ROP, One-Year Course, 20 Credits

Double-Period Course

Located at Knight High School & Palmdale High School

Open to Grades: 11 and 12

This course provides instruction and training for students interested in careers related to video game and simulation development and design. Students who achieve competency in this course will develop knowledge and skills in both the theory and application of gaming ideas. The curriculum covers: the history of video gaming; genres of games; social, ethical, psychological, and physiological issues related to gaming; object-oriented programming languages; mathematics skills; story, plot, and character development and related English Language Arts skills; the physics of motion; and the integration of traditional design elements of line, shape, color, texture, balance, rhythm, proportions, and variation, as they relate to 2D and 3D digital media in an interactive environment. Students who successfully complete the course will be prepared for entry-level employment.

Stagecraft Design

ROP, One-Year Course, 20 Credits

Double-Period Internship Course

Located at Lancaster High School

Open to Grades: 11 and 12

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

Auto General Service Technician

ROP, One-Year Course, 20 Credits

Double-Period Internship Course

Located at Palmdale High School

Open to Grades: 11 and 12

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

Building Construction Technology

ROP, One-Year Course, 20 Credits

Double-Period Course

Located at Palmdale High School

Open to Grades: 11 and 12

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

Automotive Repair and Service Occupations

ROP, One-Year Course, 20 Credits

Double-Period Course

Located at Quartz Hill High School

Open to Grades: 11 and 12

This course provides instruction and training for students interested in careers related to the auto repair industry. Students who achieve competency in

this course will develop knowledge and skills in four major areas of instruction and training: engine overhaul and rebuilding, automotive electrical systems; automotive tune-up and emission devices; and automotive brakes and chassis systems, and will be prepared for entry-level employment. Entry-level positions include auto technician.

***Veterinary Science**

ROP, One-Year Course, 20 Credits

Double Period Course

Located at Antelope Valley High School

Open to Grades: 11 and 12

This course is designed to enable students to reinforce core academic skills in biological science, while continuing to explore animal science careers. Major topics of instruction include anatomy and physiology, nutrition, diseases, surgery, pharmacology, and genetics. Students will learn office procedures used in the animal health service industry, including terminology, financial record keeping, inventory, client information, waiting room etiquette, and basic computer skills.

Students will gain knowledge of the role genetics play in animal health, and learn anatomy and physiology, as well as nutrition in the animal health services industry, and the difference between nutrition needs of dogs, cats, and horses. Students will learn laboratory skills and pharmacology used in the animal health services, learn emergency procedures in the animal health service industry, use of equipment and identification, and cardiopulmonary resuscitation for small animals.

ONLINE CLASSES

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

Computer Aided Design – Learn 3 dimensional modeling and design. Continue your career pathway by taking classes in PHS' FAST Academy.

Contemporary Study of Business - This course is designed to introduce students to the world of business. The emphasis of the course is on how business changes to remain competitive in an ever changing global society. Major topics include business communications, the basic economic question and

decision-making by consumers, economic systems, marketing goods and services, finance, and human resources.

Dental Office - Provides introductory instruction and training for students interested in careers related to the dental profession. From here you can take the Dental Assisting course at AVHS and get an actual internship working in a real dentist's office!

Healthful Living - A comprehensive health program covering traditional health topics such as high school orientation, drug abuse and mental health in a high-interest manner, so that each student has a working knowledge that will promote a healthy lifestyle. While using updated materials, learning activities, and technology, students are provided many opportunities to apply this understanding of health knowledge by incorporating decision-making skills and practice ways to make healthy choices.

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

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