

Foreword

Dear Student and Parents:

This booklet is intended to assist students and parents with charting a student's progress through the coursework required for graduation at Antelope High School. A number of questions should be discussed and answered between the student and parents prior to using this booklet.

Question # 1: What is your primary educational goal at the conclusion of your senior year?

- a. High school graduation
- b. Meet college admission requirements
- c. Be competitive for admission to an elite university.

Question # 2: What area of study do you want to emphasize, if any? Does your student have natural abilities or a passion for a particular field?

Question # 3: Is there a career or specific college that the student is interested in pursuing?

After having discussed and answered these questions, we hope you will feel more comfortable navigating your way through the information in this booklet. There are two major segments to the booklet.

Section 1 provides a general overview of guidance services, important references and definitions. This area of the book provides both the requirements for high school graduation and college admission. There are sample tables illustrating possible student schedules and worksheet to use in filling out your student's four-year high school program.

Section 2 is dedicated to course descriptions listed by each department. It is important to note that some of the elective courses listed in the booklet are not offered every year. Required courses are always offered, but only those elective courses that generate appropriate sign ups and have adequate staffing are actually taught in any given school year. Please pay particular attention to the pre-requisites that many of the courses require.

Our goal is to provide the best information we can so that parents and students can develop an academic program that best meets their needs. Your assistance and involvement is critical to your student's success. Please feel free to call us if you have any suggestions that would make this planning guide more useful.

The 2009-2010 Planning Guide (with full course descriptions) is available on the school web site at <http://antelopehigh.org>

TABLE OF CONTENTS

Section 1: General Information	1
College Admission Requirements	4
Four-Year Educational Paths	5
Section 2: Department Course Description	9
AVID.....	9
Biomedical	9
CTE (Business, Engineering, ITE)	10
English	12
English Electives	13
Foreign Language	15
Health.....	16
Mathematics.....	16
Physical Education.....	18
Physical Education Electives	18
Science	20
Social Science.....	22
Visual Arts.....	24
Performing Arts (Drama, Choir, Dance, Instrumental Music)	26
Special Programs.....	28
ROP.....	29

Section 1: General Information

ANTELOPE HIGH SCHOOL COUNSELORS

Counselors at Antelope High School are assigned according to students' last names. The alphabetical assignments follow, along with the telephone extensions. Please dial the general school number, **726-1400**, then dial the appropriate extension when prompted to do so.

M-Z	Brian Hewitt	6023
A-L	Erica Joseph	6025
Special Services	Jan Lucas	6022
College & Career Counselor	Walt Wild	1047

4 x 4 BLOCK SCHEDULE

Antelope High School is on 4 x 4 Block schedule that has students taking up to four courses over an 18-week period. Students meet in four classes for 86-minute periods each school day with the exception of special schedule days such as rallies, collaboration days and assemblies. In January of every year students complete their fall courses and begin up to four new courses for the spring term. All freshman and sophomores are required to be enrolled in four courses each term. Seniors who are in good academic standing (have completed A-G requirements and are not in jeopardy of failing any courses) are permitted one off-campus each term.

GRADUATION REQUIREMENTS: CLASS OF 2010 & BEYOND

I. Satisfactory citizenship and attendance

II. 260 credits including the following required subjects:

(Five credits earned for successful completion of each course every 9-week grading period.)

English 40 credits (grades 9, 10, 11, 12)

Math 20 credits (Includes successful completion of Algebra 1 and Geometry or higher.)

Social Science 30 credits to include:

World Studies 10 credits (grade 10)

U. S. History 10 credits (grade 11)

Government/Economics 10 credits (grade 12)

Science 20 credits (must be UC/CSU approved) to include:

Biological Science 10 credits *and*

Physical Science 10 credits

Physical Education 20 credits (grades 9 & 10)

Health and Safety 10 credits

Fine Arts or Foreign Language 10 credits

Electives 110 credits

III. Pass the California High School Exit Exam

GRADUATION REQUIREMENTS: CLASS OF 2010 & BEYOND (con't.)

GRADE POINT AVERAGES

A student's transcript will list three different grade point averages (GPA's): Academic GPA (9-12), Academic GPA (10-12), and Total GPA (9-12). Each is calculated differently:

UNWEIGHTED ACADEMIC GPA – All courses taken in the respective years (i.e. 9-12 GPA, 10-12 GPA) are used in the calculation with the exception of PE courses. Honors and AP courses are not weighted.

WEIGHTED ACADEMIC GPA – All courses taken in the respective years are calculated with the exception of PE courses; Honors and AP courses receive an extra weighted point if the grade earned is 'C' or better. Colleges do not accept any grade lower than a 'C' in Honors or AP courses.

TOTAL UNWEIGHTED GPA – All courses taken in all grades are used in the calculation. No courses are weighted.

TOTAL WEIGHTED GPA – All courses taken in all grades are calculated; Honors and AP courses receive an extra weighted point if the grade earned is 'C' or better.

***Please note: In most cases a college GPA will be different than any GPA noted on your transcript due to varying requirements and practices of the universities.**

LIST OF AnHS COURSES PENDING APPROVAL FOR MEETING UC ADMISSION REQUIREMENTS

These courses are pending approval from the University of California Office of The President for meeting a-g requirements. (Note: This list may be updated yearly as new courses are submitted for a-g approval.)

a. HISTORY/SOCIAL SCIENCE

World Studies
U.S. History
AP European History
AP U.S. History

b. ENGLISH

CP English 9
CP English 10
CP English 11
Honors English 10
Honors English 11

c. MATHEMATICS

Algebra I
Geometry
Algebra II
Honors Algebra II
Pre-Calculus
AP Calculus AB
AP Calculus BC

d. LABORATORY SCIENCE

CP Biology
AP Biology
AP Environmental Science
Chemistry
Forensic Science
Honors Chemistry
AP Chemistry
Physics
Honors Physics
AP Physics B
Physiology

e. LANGUAGE OTHER THAN ENGLISH

French 1, 2, 3, Honors French 4
AP French 4,
Spanish 1, 2, 3, Honors Spanish 4
AP Spanish 4,

f. VISUAL AND PERFORMING ARTS

Ceramics 1, 2, 3
Baritone Concert Choir
Treble Concert Choir
Treble Chamber Choir
Chamber Choir
Jazz Ensemble
Guitar
Piano Lab
Art 1
Art 2
Art 3
Art 4
Dance
Intermediate Dance
Advanced Dance
Drama
Advanced Drama
Professional Drama
Photography
Photography 2
Photography 3
AP Studio Art
AP Art History

g. COLLEGE PREPARATORY ELECTIVE

CTE – Intro To Engineering & Design
English-All courses listed under (b) plus the following:

AVID
Advanced Journalism

Advanced Mathematics – All courses beyond Algebra II listed under (c) and AP Statistics

Laboratory Science – All courses listed under (d) and CP Physical/Earth Science, Zoology, Conceptual Science, Fish & Wildlife, Anatomy & Physiology, Principals of Biomedical Science, Human Body Systems

Foreign Language – All courses listed under (e) except French 1, & Spanish 1

Social Science – All courses listed under (a)

Visual and Performing Arts

All courses listed under “P” except for Ceramics 1, Art 1, Drama, Guitar, Dance, Chamber/Concert Choir, Jazz Ensemble and Photography

COLLEGE ADMISSION REQUIREMENTS

<u>A – G Subject Areas</u>	<u>California State University (CSU Sacramento, Chico, etc.)</u>	<u>University of California UC Davis, Berkeley, etc.)</u>
a) History / Social Science	2 Years	2 Years
b) English	4 Years	4 Years
c) Mathematics	3 years (through Algebra II)	3 years (through Algebra II) (4 years recommended)
d) Lab Science	2 Years	2 years (3 recommend.)
e) Foreign Language	2 Years	2 Years (3 recommend.)
f) Visual and Performing Arts	1 Year	1 Year
g) Elective Courses	1 Year Complete 15 units of college prep courses with a grade of 'C' or better	1 Year
All grades must be a 'C' or better to meet college admission standards. Also, the more math, science and foreign language, the better.		

The University of California system (UC Davis, Berkeley, etc.) includes ten four-year universities offering a variety of BA and BS degrees. To qualify for entrance, students must have a high-school diploma or a California Proficiency Certificate. Students must follow a university preparatory program and **must earn C or better grades in the required courses. Students must have a high-school grade point average of 3.0 or higher to be eligible for the UC system (please note that this is a college GPA which only includes college prep courses)**. Those with GPA's below 3.3 must score proportionately higher on the ACT or SAT College Entrance Examinations. In addition to the ACT or SAT examination, UC applicants must take two SAT II's (one in two different subject areas) as well. Entrance GPA and requirements may vary depending on the major area of study and the campus selected. Consult the Career Center for more information. For general UC information refer to www.ucop.edu

ELIGIBILITY IN LOCAL CONTEXT

The UC system allows for the top 4 percent of students in each California high school class to be designated UC-eligible based on the coursework taken at the high school. If selected by the UC's, students who complete all remaining requirements will be guaranteed admission to a UC (not necessarily the one of choice).

CALIFORNIA STATE UNIVERSITY (CSU Sacramento, Chico, etc.) includes 23 four-year universities offering a variety of BA and BS degrees. To qualify for entrance, students must have a high school diploma or California Proficiency Certificate. Students must follow a university preparation program and **must successfully complete the required courses with a 'C' or better. Students must have a high school GPA of 2.0 or higher to be eligible for the CSU system. Please note that this is a college GPA which only includes college prep approved courses.** Entrance GPA and requirements may vary depending on the major area of study and the campus selected. For a complete listing of CSU's visit www.calstate.edu online or contact the Career Center for more information.

PRIVATE COLLEGES

There are many private colleges and universities. Their entrance requirements are similar to those of the University of California or the California State University systems. Consult the Career Center and the individual college admissions offices for information. For further information refer to www.petersen.com.

COMMUNITY COLLEGES

The California Community College system offers A.A. or A.S. degrees and certificates, two year transfer programs where the classes taken for credit can be transferred to four year systems, and training in many trades and technical fields. Students who are 18 years of age may attend a community college even though they may not have graduated from high school. For further information refer to <http://www.mcli.dist.maricopa.edu/cc/>.

FOUR-YEAR EDUCATIONAL PATHS GRADES 9 - 12

The Roseville Joint Union High School District is committed to providing an integrated program of personal, academic, and vocational counseling services that recognizes and serves the diverse needs and talents of our students.

A major element of this program is providing students information and guidance regarding the educational programs offered at our high schools in order to enable them to satisfy their individual needs, talents, and post-high-school plans.

Antelope High School offers personalized educational paths to all students. Students are encouraged to select a path at the time of enrollment. The path should be chosen based on the individual's needs, talents, and post-high school plans. All paths will satisfy the minimum high school graduation requirements. Students have the opportunity to change and update paths.

* * * * *

Recommended Four-Year University Path

(University of California, California State University, Private University, Community College Transfer)

Recommended academic program for students planning to apply directly to UC, CSU, private universities, military academies, or to transfer from a community college to one of these universities.

Minimum Four-Year University Path

(California State University, Some Private Universities, Community College Transfer)

Minimum academic program required for students planning to apply directly to CSU, some private universities, or to transfer from a community college to one of these universities.

Community College/Vocational Education Path

This plan includes all course work required for a high school diploma. It is designed for students who plan to go to community college, vocational or trade schools, or directly to work following high school.

RECOMMENDED FOUR YEAR UNIVERSITY PREPARATION PATH			
9	10	11	12
English 9	English 10	English 11 Honors English 11	English 12 AP English Lang/Comp AP English Lang/Lit English 1A and 1B(Sierra College)
Algebra I Geometry Pre-Algebra	Algebra I Geometry Algebra II	Pre-Calculus Geometry Algebra II	Algebra II Pre-Calculus Honors Pre-Calculus AP Statistics AP Calculus AB/BC
Health and Safety	AP European History World Studies	U.S. History AP U.S. History Hist. 17A/B (Sierra)	Government/Economics AP Government/Economics
Foreign Lang 1 Foreign Lang 2	Foreign Language 2 Foreign Language 3 Foreign Language 4	Foreign Language 3 Foreign Language 4	Foreign Language 4 AP Foreign Language
PE 9	PE 10	Elective	Elective
CP Earth Science Biology	Biology Chemistry Honors Chemistry Physics	Physics AP Physics Physiology Chemistry Honors Chemistry AP Chemistry AP Biology	Physics AP Physics Physiology Chemistry Honors Chemistry AP Chemistry AP Biology
Elective/VPA*	Elective *	Elective *	Elective *
Elective	Elective	Elective	Elective

NOTES: *The CSU/UC system and some private universities require one year of Visual and Performing Arts.
Students planning to apply for entrance to highly competitive universities are encouraged to enroll in Honors and AP level courses.

MINIMUM FOUR-YEAR UNIVERSITY PREPARATION PATH			
9	10	11	12
English 9	English 10	English 11 English 11 Honors	English 12 AP English Lang/Comp AP English Lang/Lit English 1A and 1B
Algebra I Geometry	Algebra I Geometry	Geometry Algebra II	Pre-Calculus Algebra II
Health and Safety	World Studies	US History	Government/Economics AP Government/Economics
Foreign Lang 1	Foreign Lang 2	Elective	Elective
PE 9	PE 10	Elective	Elective
Elective	Biology CP Earth Science	Biology Chemistry Physiology	Chemistry Physics Physiology
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

NOTES: One elective must be a Visual or Performing Arts course.

**COMMUNITY COLLEGE
CTE SCHOOL PREPARATION
MINIMUM HIGH SCHOOL GRADUATION**

9	10	11	12
English 9	English 10	English 11	English 12
Pre-Algebra Algebra I	Algebra I Geometry	Algebra I Geometry	Geometry
Health and Safety	World Studies	U.S. History	Government/Economics
PE 9	PE 10	Elective	Elective
CP Earth Science	CP Earth Science CP Biology	CP Earth Science CP Biology	CP Biology
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

NOTES:

One elective must be a Visual or Performing Arts course or one year of Foreign Language.

Science classes may be taken in any year.

Seniors are encouraged to participate in ROP (Regional Occupation Program) or OWE (Outside Work Experience) programs. See Section 3 for more information.

FOUR-YEAR PLAN

Class of 2011 & Beyond

Name _____

Graduation Date _____

Counselor _____

Post Graduation Goal _____

Career Goal _____

High School Graduation Requirements (Each box represents 5 credits)

In addition to the requirements below each student must acquire a minimum of 260 credits.

Semester Semester

- | | |
|--|--|
| <p>1 2
 <input type="checkbox"/> <input type="checkbox"/> English 9
 <input type="checkbox"/> <input type="checkbox"/> English 10
 <input type="checkbox"/> <input type="checkbox"/> English 11
 <input type="checkbox"/> <input type="checkbox"/> English 12
 <input type="checkbox"/> <input type="checkbox"/> Algebra I
 <input type="checkbox"/> <input type="checkbox"/> Geometry
 <input type="checkbox"/> <input type="checkbox"/> PE 9
 <input type="checkbox"/> <input type="checkbox"/> PE 10
 Exit Exam <input type="checkbox"/> English <input type="checkbox"/> Math</p> | <p>1 2
 <input type="checkbox"/> <input type="checkbox"/> Physical Sci.
 (i.e. Chem.)
 <input type="checkbox"/> <input type="checkbox"/> Life Science
 (i.e. Biology)
 <input type="checkbox"/> <input type="checkbox"/> Fine Art or
 Foreign Lang.
 <input type="checkbox"/> <input type="checkbox"/> Health
 <input type="checkbox"/> <input type="checkbox"/> World Studies
 <input type="checkbox"/> <input type="checkbox"/> US History
 <input type="checkbox"/> <input type="checkbox"/> Gov/Econ</p> |
|--|--|

CSU/UC College Entrance

- | | |
|--|--|
| a. History/Social Science | <input type="checkbox"/> 2 years |
| b. English | <input type="checkbox"/> 4 years |
| c. Math
(through Algebra II) | <input type="checkbox"/> 3 years |
| d. Lab Science | <input type="checkbox"/> 2 years
(3 recommended) |
| e. Language other
than English | <input type="checkbox"/> 2 years req.
(3 recommended) |
| f. Visual and Performing
Arts | <input type="checkbox"/> 1 year |
| g. Elective Courses
(Check UC List) | <input type="checkbox"/> 1 year |

MY PERSONAL PLAN

MY PERSONAL PLAN			
9	10	11	12
English 9	English 10	English 11	English 12
Health & Safety	World Studies	US History	Government / Econ
PE 9	PE 10		

Planned Test Dates

SAT I _____ SAT II _____
 ACT _____ PSAT _____
 ASVAB _____

Section 2: Department Course Descriptions

Key

Grade Levels are indicated to the right of each course title

UC/CSU = Meets entrance requirement for the University of California or California State University

AP = Advanced Placement; national curriculum established by College Board. * Students may receive college credit if scoring a '3' or better on AP exam in subject area.

CP = College Prep; indicates course is taught at a level that assumes students have adequate reading and writing skills. Targeted at students who intend to gain admission to a four-year university immediately following high school.

Honors = Course is taught at an accelerated pace. Course is weighted an extra grade point in student's cumulative grade point average.

VAPA= Visual and Performing Arts

* Please verify with each college applying for admission.

AVID

AVID (UC/CSU)

9-12

AVID is a four-year series of elective courses designed for students in grades 9-12 who desire structured support for college preparation and admissions. Students in the AVID program will be engaged in a rigorous curriculum designed to enhance their personal and academic potential to succeed in college preparatory courses and to increase college-level knowledge, skills and motivation for future college learning. Its four major components – Writing as a tool of learning, Strategies for Success, College/Career Instruction, Core Content Tutoring – are all designed to enhance those skills necessary to succeed in college. Students will work with college student tutors and will be engaged in a variety of college learning activities and experiences, with a strong emphasis on writing, research, teamwork, problem solving, thinking skills, interpersonal skills and information analysis.

CAREER TECHNICAL EDUCATION

BIOMEDICAL PROGRAM

PRINCIPALS OF THE BIOMEDICAL SCIENCES™ (UC/CSU)

9-12

Students explore the concepts of human medicine and are introduced to research processes and to bioinformatics. Hands-on projects enable students to investigate human body systems and various health conditions, including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Over the length of the course, students work together to determine the factors that led to the death of a fictional person. After pinpointing those factors, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. The key biological concepts embedded in the curriculum include homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. Where appropriate engineering principles are also incorporated into the curriculum. These include the design process, feedback loops, fluid dynamics, and the relationship of structure to function. Lab Fee: \$20

Prerequisite: "C" or higher in CP Biology.

HUMAN BODY SYSTEMS™ (UC/CSU)**9-12**

Students examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Using real-world cases, students take the role of biomedical professionals and work together to solve medical mysteries. Hands-on projects include designing experiments, investigating the structures and functions of body systems, and using data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Important concepts covered in the course are communication, transport of substances, locomotion, metabolic processes, defense, and protection. Lab Fee: \$20

Prerequisite: “C” or higher in Principles of the Biomedical Sciences.

BUSINESS**COMPUTER APPLICATIONS I****9-12**

Computer Applications I is a 9 week course designed to advance a students basic understanding of the Microsoft Office software applications. The course will train students on how to effectively use Excel, Powerpoint, and Word as tools for the home, school and workplace. Students will learn to create professional presentations using desktop publishing and PowerPoint. In addition, advanced accuracy and speed building keyboarding techniques will be emphasized throughout the course.

COMPUTER APPLICATIONS II**9-12**

Computer Applications II is a one semester course for students who want to learn advance application techniques used in the business world. The students will utilized their Access, Excel, PowerPoint, and Word skills in real world activities and projects. In-depth desktop publishing, digital pictures, and advanced scanning will provide students with the opportunity to increase their employability skills and presentation capabilities.

Prerequisites: Successful completion of Freshman Foundations

BUSINESS CONCEPTS**10-12**

Business Concepts is a course that introduces students to the world of business. Topics covered will include economics, stock market, financing, banking, consumerism and career exploration. Guest speakers and field trip will be an important part of the class. Prerequisites: None

SMALL BUSINESS ENTERPRISE**10-12**

Small Business Enterprise is designed for students who are interested in starting their own business. The student will learn the aspect of beginning and managing a small business. The class would involve research, interviews, job shadowing, and studies of local business en route to creating a business plan of their own. Topics would include marketing, financial management, personnel management, types of business ownership and the ethical business environment. Prerequisites: Freshman Foundations or Business Concepts

SPORTS & ENTERTAINMENT MARKETING**10-12**

This class will help students develop an understanding of marketing theories and concepts that apply to the sports and entertainment industry. Subject matter will include principles of marketing, economics, history of sports and entertainment, legal issues, products, prices, and promotions. Students will learn to prepare marketing and business plans. They will also participate in career exploration in the related fields.

Prerequisites: Small Business Enterprise and Teacher recommendations

BUSINESS LEADERSHIP & MANAGEMENT**11-12**

This class was designed to provide advanced 11th and 12th students with training in the principles and practices of high leadership and management skills. The course content will include planning, time management, team building, problem-solving, ethics and integrity, conflict resolution, workplace diversity, and management styles. Students will be given the opportunity to apply their skills by being given positions of school leadership on campus. Prerequisites: Small Business Enterprise and Teacher recommendations.

ENGINEERING PROGRAM

INTRODUCTION TO ENGINEERING & DESIGN (UC/CSU)

9-12

Introduction to Engineering is first in a series of four engineering classes. It is designed to prepare students to pursue a career in one of the many fields of engineering. This course develops student problem-solving skills with emphasis placed upon the concept of developing 3-D models and the solid rendering of an object. Students focus on the application of visualization processes and tools provided by state of the art computer hardware and software. Prerequisite: Completion of, or concurrent enrollment in Algebra 1.

EDD: Introduction to Engineering Design™—uses a design development process while enriching problem solving skills; students create and analyze models using specialized computer software.

INDUSTRIAL TECHNOLOGY

MEDIA PRODUCTIONS I

9-12

Media I is an entry-level course in which students learn basic journalism skills, use of video and digital still cameras, edit video on computers using NewTek's SpeedEDIT software, and create different types of video programs. Students learn to communicate effectively by writing scripts, planning productions, and editing tape. Technically, students learn how to operate video and audio equipment, including cameras, various types of microphones, mixers, sound processors, and computer applications. Students will produce video news stories and public service announcements. This course also introduces students to studio production at Titan TV, Antelope High School's TV station. Class will include trips to area television studios.

Prerequisite: Basic computer skills and/or instructor's approval. Lab Fee: There are costs associated with projects in this course. The instructor will give you specific information within the first week of the course.

MEDIA PRODUCTIONS II

9-12

Media II will apply the skills from Media Productions I of script-writing, filming, and editing (using NewTek's SpeedEDIT software) to the production of projects, programs, and broadcasts on Titan TV, Antelope High School's TV station. Mainly, this class will produce the school's news program as well as other shows. Students will learn to work in production teams as directors, on-air talent, audio engineers, switchers, graphics technicians, etc., as they produce programs for the school network and community cable broadcasts. Students will also learn multi-track audio recording fundamentals as they record and mix school and personal audio projects. Class will include trips to area television studios.

Prerequisite: Basic computer skills and/or instructor's approval. Lab Fee: There are costs associated with projects in this course. The instructor will give you specific information within the first week of the course.

Prerequisite: Media I and instructor approval.

BEGINNING WEB PAGE DESIGN

9-12

Beginning Web Design is an introductory course where students will learn the latest design strategies and techniques for creating Web sites that are useful and attractive. Students will learn basic HTML coding, web page development with Dreamweaver, and image editing with Adobe Photoshop and Flash, integrating text and graphics into personal, eCommerce, and "client" Web sites. The client can be a teacher, coach, club, business, or organization needing Internet presence. Use of JavaScript and FTP will also be covered.

Prerequisite: Computer Applications or teacher's approval

ADVANCED WEB PAGE DESIGN

9-12

Advanced Web page design is for all general and college-prep students wanting to advance their knowledge in web page design and who wish to apply their skills to "real world" situations. Students will build on, and apply what they learned in beginning Web Page Design by continuing to learn advanced coding, Flash animation, CSS and JavaScript. Students will be responsible for creating and maintaining the Antelope High School website as well as assisting newspaper students in the maintenance of The Titan Times website.

ENGLISH

CP ENGLISH 9 (UC/CSU)

9

This course is designed for general and college-preparatory students. This course emphasizes paragraph and essay development combined with a study of literature with a focus on critical reading skills. Short story and poetry elements will be taught along with analysis of novels and drama. A variety of writing modes will be covered, such as analytical, reflective, autobiographical, observational, and descriptive. Writing conventions such as usage, grammar, mechanics, spelling and vocabulary development will be addressed in context with the writing process and the study of literature. Students can expect a variety of oral and listening activities along with oral presentations.

CP ENGLISH 10 (UC/CSU)

10

This course is designed for general and college-preparatory students. This course emphasizes essay development in the areas of analysis, persuasion, reflection, research, plus a review of ninth-grade writing modes. Writing conventions such as usage and mechanics will be taught in conjunction with the study of literature and writing. Vocabulary, spelling, and research skills are developed in context with the writing process and literary analysis. The students will review short-story and poetry elements and read novels and drama. Students can expect a variety of oral and listening activities along with oral presentations.

HONORS ENGLISH 10 (UC/CSU)

10

Honors English 10 is designed for college prep students. This course provides an academically accelerated curriculum for students desiring advanced, challenging studies. The course will include an extensive reading list covering a broad array of literary interests and experiences. Critical thinking skills and writing fluency will be emphasized. Students will participate in projects, write publication and keep a writing portfolio.

ENGLISH 11 (UC/CSU)

11-12

Designed for general and college-preparatory students, this course emphasizes writing skills development combined with a study of American literature. Writing conventions such as usage and mechanics will be developed in conjunction with the study of literature and writing. Vocabulary, spelling, and research skills are developed in context with the writing process and literary analysis. Students will write a variety of essay modes, both in class and at home. Students can expect a variety of oral and listening activities along with oral presentations.

HONORS ENGLISH 11 (UC/CSU)

11

Honors English 11 is designed for qualified, academically motivated students to pursue English studies quantitatively beyond what is offered in Academic English 11. This course will provide an accelerated curriculum for juniors and will include an extensive summer reading list, comprehensive research papers of critical analysis, frequent writing opportunities, and extended analysis of fiction and nonfiction. Additionally, this course will prepare students for Advanced Placements Literature and Composition at the senior level; however, this is not a prerequisite for taking AP Lit/Comp.

ELD ENGLISH LEVEL 1&2

9-12

ELD English 1&2 is designed for beginning-level English Learners (EL). This course emphasizes oral language skills and vocabulary developments combined with the study of beginning-level reading in English. This course will also include listening and speaking practice and is taught thematically with the ESL World Studies Immersion class. Additionally, this course will prepare students for English Language Development (EDL) 3-4.

ELD ENGLISH LEVEL 3 & 4

9-12

ELD English 3&4 is designed for intermediate-level English Learners (EL). This course emphasizes sentence and paragraph development combined with the study of intermediate-level reading in English. This course will also include some grammar and vocabulary development. Additionally, this course will prepare students for English Language Development (EDL) 5-6.

ELD ENGLISH LEVEL 5**9-12**

Designed for Early Advanced and Advanced level English Learners (EL's). This course emphasizes the refinement of essay writing. This course will include Advanced-level and mainstream reading, combined with English language grammar and usage, and advanced academic vocabulary development. Extensive preparation for the English Language Arts (ELA) portion of the California High School Exit Exam (CAHSEE) will be stressed. The student should leave this course prepared for a mainstreamed English class and successful completion of the ELA portion of the CAHSEE.

ENGLISH ELECTIVES

These courses do not fulfill district English requirements.

ACADEMIC LITERACY I**9-12**

Academic Literacy I is a required course for those students who need help in developing the skills and knowledge necessary to be successful in high school. Students will be identified for this course by evaluation of a writing sample, teacher recommendation, and STAR test scores. Although this course includes reading, writing, speaking, and listening components, the primary focus will be improving reading fluency and comprehension. Upon entering the class students will take the Gates-MacGinitie Reading Diagnostic test to determine their grade level reading equivalent. Students will move from Academic Literacy I to Academic Literacy II based upon their end-of-course writing sample, Gates-MacGinitie test results, and STAR test scores. Depending upon the results of these assessments, students may be required to repeat Academic Literacy I for another 10 elective credits or to move on to Academic Literacy II. Academic Literacy I or II will count as 10 elective credits and cannot be used toward the current 40-credit English graduation requirement.

ACADEMIC LITERACY II**9-12**

Academic Literacy II is a required course for those students who need help in developing the skills and knowledge necessary to be successful in high school and on the California High School Exit Exam. Students will be identified for this course by evaluation of a writing sample, teacher recommendation, and STAR test scores. Although this course includes reading, writing, speaking, and listening components, the primary focus will be writing skills. Upon entering the class students will take the Gates-MacGinitie Reading Diagnostic test to determine their grade level reading equivalent and they will complete a writing prompt. Students will be placed in Academic Literacy II for three reasons: 1) they have successfully completed Academic Literacy I, but continue to need literacy support; 2) they meet the eligibility criteria coming out of middle school; or 3) they did not pass the California High School Exit Exam their sophomore year. Academic Literacy I or II will count as 10 elective credits and cannot be used toward the current 40-credit English graduation requirement.

YEARBOOK**9-12**

A yearlong class designed for general or college-preparatory students to produce the school yearbook, The Titanium. Students will learn the basics of journalistic writing, layout and design, photography and the business of publications. Students will become adept at using computer programs such as Adobe InDesign and Adobe Photoshop to produce the yearbook. Emphasis is also placed on team building, leadership, and group communications skills essential to the workplace. Students who are interested in the business end of yearbook production (raising money, selling ads, keeping records) in photography, and graphic arts are encouraged to apply. Enrollment is limited. While it is not mandatory that all students take the class as a yearlong course, editors are encouraged to do so.

Prerequisite: Interview/application, instructor approval and successful completion of English classes with a grade of C or better.

ADVANCED YEARBOOK**10-12**

Designed for general or college preparatory students who are continuing their training and work from Yearbook. Students will continue to develop their skills in more advanced work, which focuses on the editorship functions of yearbook production. Advanced Yearbook students are encouraged to take on leadership roles within the yearbook staff. Students are strongly encouraged to register for both terms. Students entrusted with Editorship roles are required to register for both terms.

JOURNALISM (BEGINNING CONVERGENCE)**9-12**

Designed for general and college-prep students to train for work on the school yearbook and newspaper. This course will build skills in the fundamentals of photography, news writing, yearbook and newspaper design, basic video production skills, the examination of advertising as a foundation of newspaper revenue, and the study and comparison of mass media. Students will become adept at using computer programs such as Adobe InDesign, Photoshop and DreamWeaver. The student will be able to gather information and write various types of news stories, with emphasis on language and style and accuracy in news gathering and editing.

ADVANCED JOURNALISM (ADVANCED CONVERGENCE) (UC/CSU)**10-12**

Designed for general and college-preparatory students to produce the school newspaper, The Titan Times, both the hard copy and web page versions. The techniques of newspaper production studied in Beginning Convergence will be put to practical use. Activities include writing news stories, editing copy, writing headlines, laying out pages, creating computer graphics, taking photographs, and selling ads. Students will become adept at using computer programs such as Adobe InDesign, Photoshop and DreamWeaver to produce the newspaper. In addition, students will shoot video, narrate stories and produce short video stories to post on the school web page. Journalism as a career will be considered. Advanced students may prepare other types of high-school publications and will work on fundraising events to finance all costs of newspaper production. Prerequisite: C or better in Journalism 1 or instructor's waiver and interview/application process.

LIBRARY SCIENCE I**11-12**

Library Science 1: Designed for students to complete the clerical tasks involved in the daily operation of the library, including circulating materials and helping library patrons. Students will also learn how to effectively locate source material and promote the collection and library services.

LIBRARY SCIENCE 2 & 3**11-12**

Library Science 2 and 3: Designed to reinforce Library Science 1 skills, including locating resources and the daily operation of a library. In addition to this review, the student will also write bibliographic resource lists, comprehensive reviews, and annotations. Computer skills learned in Library Science 1 will be expanded.

FOREIGN LANGUAGE

FRENCH 1 SPANISH 1 (UC/CSU)

9-12

Designed as beginning language courses for college preparatory students. The major emphasis of these courses is to develop personal communication skills in the target language. The students have opportunities to, listen and read for comprehension, speak and write in basic patterned and planned responses with some spontaneous conversations. The curriculum includes the following: vocabulary development, pronunciation practice, development of listening and reading comprehension skills, and grammar skills as they relate to topics studied. Emphasis is placed on the speaking of the language. Students will be introduced to culture relevant to the language, which they are studying.

FRENCH 2 SPANISH 2 (UC/CSU)

9-12

Designed for college preparatory students. The major emphasis of these courses is to continue to develop personal communication skills in the target language. Students will have additional opportunities to increase their abilities in the areas of: speaking, listening comprehension, reading and writing. Curriculum includes: continued emphasis on speaking the language, the study of expanded thematic vocabulary, expressing simple past actions, short writing assignments, and reading authentic materials. Students will increase their cross-cultural understanding.

Prerequisite: A grade of “C” or better in French 1 or Spanish 1

Recommended: If student struggled to earn a C in level one, consider repeating level one to build a stronger foundation.

FRENCH 3 SPANISH 3 (UC/CSU)

9-12

Designed for college preparatory students who desire to learn to communicate in the target language with a greater degree of fluency and accuracy. The major emphasis of these courses is placed on oral and written communication in the target language. The curriculum includes: class discussions, interviews, short essays, authentic literature and reading materials from the cultures where the languages are spoken, and more advanced cultural readings. Also included is the application of expanded thematic vocabulary (including idiomatic expressions), practical use of various verb tenses and moods, as well as complex grammar structures as they relate to the topics studied.

Prerequisite: A grade of “C” or better in French 2 or Spanish 2

Recommended: “B” grade in level 2 courses, or instructor approval

HONORS FRENCH 4 SPANISH 4 (UC/CSU)

10-12

Designed for college-preparatory students: These courses will further develop skills which students have already acquired in the language. Emphasis is placed on communication skills including class discussions, interviews and literature readings. Written compositions and oral presentations are assigned. Literature serves as a basis for both oral and written work.

Prerequisite: “C” or better in French 3 or Spanish 3.

Recommended “B” grade in level 3 courses , or instructor approval

AP FRENCH AP SPANISH (UC/CSU)

10-12

Advanced Placement French/Spanish courses designed for serious university preparatory students. The courses will continue to develop previous skills in the language, with an emphasis placed on grammar as well as on communication. Course work will include discussion, interviews, interpretations, written compositions, and oral presentations. Literature serves as the basis for both oral and written work.

Prerequisite: “C” or better in Honor level courses.

Recommended: “B” or better in level 4 courses or instructor approval.

HEALTH AND SAFETY

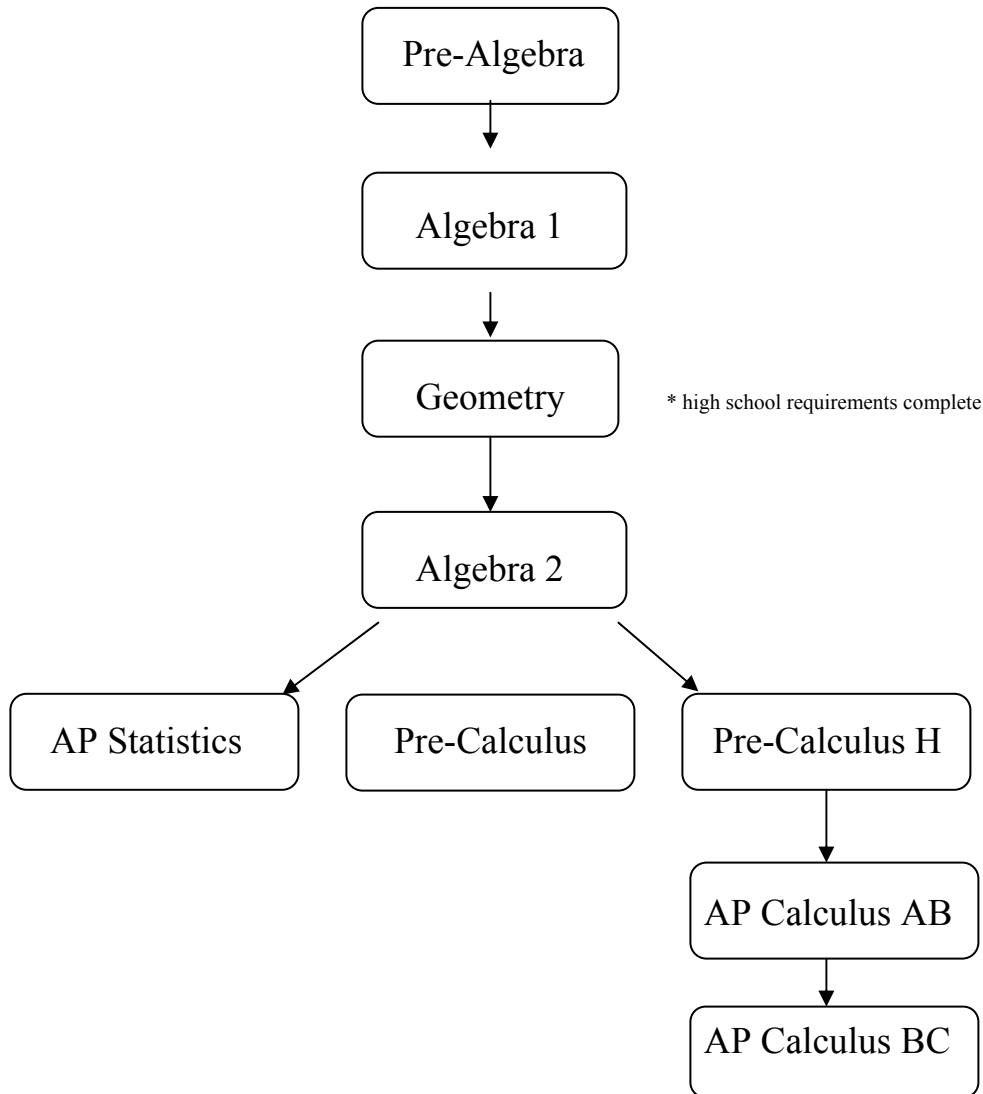
HEALTH AND SAFETY

9-12

Health and Safety is a one-term (18 week) course that is required for graduation. Students will learn the necessary skills of effective decision making and understand the potential short-term and long-term health consequences of these choices. Students will engage in various activities while exploring such topics as mental illness, stress management, suicide, the effects of alcohol and other drugs of abuse, sexuality, infectious diseases, nutrition, first aid and accident prevention. Students will also learn about the juvenile justice system in Placer County and have the opportunity to participate in Peer Court. Upon satisfactory completion of this course each student will earn to opportunity to obtain an American Red Cross First Aid and CPR certification.

MATHEMATICS

**Education Code 51224.5 states that ALL students must now pass Geometry in order to graduate.*



ALGEBRA 1 (UC/CSU)**9-12**

The first of a three-part college prep sequence designed to introduce students to the basics of Algebra. Students will be introduced to linear equations, data analysis, logical reasoning, factoring, graphing, and solving linear equations. Prerequisite: Grade of “C” or better in Pre-Algebra.

GEOMETRY (UC/CSU)**9-12**

The second of a three-part college prep sequence. Students will extend knowledge of math concepts studied in Algebra 1 in addition to new topics including quadratics, geometric proof, circular trigonometry, and 2 and 3 dimensional shapes.

Prerequisite: Grade of “C” or better in Algebra 1. Freshmen may take this course if they have completed a corresponding middle school Algebra 1 course with a grade of “B” or better and passed the Algebra 1 proficiency exam upon entering Antelope H.S.

ALGEBRA 2 (UC/CSU)**9-12**

Designed for college preparatory students. Topics from elementary algebra are reviewed and extended to include fractional equations, exponents, radicals, logarithms, functional relationships and trigonometry. Graphing of linear equations is introduced and explored. There will be exposure to the complex numbers systems, radical expressions, and scientific notation. Students will work with relations and functions and then corresponding domain and range.

PRE-CALCULUS (UC/CSU)**10-12**

Designed for the college bound student who may need to take a college calculus course. Students will work on becoming proficient in the following areas: fundamentals of college level algebra, geometric and algebraic interpretations of functions, linear and quadratic inequalities, rational functions, exponential and logarithmic functions and their applications, and trigonometric functions and their properties.

HONORS PRE-CALCULUS (UC/CSU)**10-12**

Pre-Calculus is a one-term course designed for college-prep students who will learn the knowledge and skills necessary to perform successfully in Calculus. Students will work on becoming proficient in the following areas: the fundamentals of college-level algebra, geometric and algebraic interpretations of functions, linear and quadratic inequalities, rational functions, exponential and logarithmic functions and their applications, discrete mathematics, and trigonometric functions and their properties. Students will do in-depth work on limits as well. Prerequisite: Grade of “B” or better in Algebra 2 or Algebra 2H or grade of “C” with teacher recommendation. Placement Recommendation: This course is available for students who are planning on taking Calculus.

AP STATISTICS (UC/CSU)**10-12**

AP Statistics is a one-term course in statistics. The course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, probability and statistical inference. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

Prerequisite: Grade of “B” or better in Algebra 2 or Algebra 2H or grade of “C” with teacher recommendation. Placement Recommendation: This course is available for students who want to expand their mathematical knowledge past Algebra 2 but do not plan on taking the Calculus courses.

AP CALCULUS AB (UC/CSU)**10-12**

An advanced placement course designed for university preparatory students. This course provides instruction in the concepts of limits, continuity, derivatives, and anti-derivatives of algebraic functions. The basis concepts in algebra set theory and trigonometry are reviewed briefly before they are used to study limits.

Prerequisite: Grade of “B” or better in Pre-Calculus or grade of “C” with teacher recommendation.

AP CALCULUS BC (UC/CSU)**10-12**

The second course of Calculus includes the study of definite integrals, differentiation and integration of trigonometric, logarithmic, and inverse functions. A score of 3, 4, or 5 on the AP Exam enables students to receive college credit in calculus at selected colleges or universities.

Prerequisite: Completion of AP Calc AB

PHYSICAL EDUCATION

PE 9

9

An introduction to various physical activities and sports. Instruction includes basic skills, rules, safety, etiquette, sportsmanship, care of equipment, and personal hygiene. Designed to introduce students to team sports through an instructional based program. Units taught will include but not be limited to hockey, soccer, softball, basketball, pickle-ball, aquatics, dance, track and fitness assessment. Emphasis will be placed on social skills, sportsmanship, respect, fitness awareness, conditioning and the importance of daily physical activity.

PE 10

10

A continuing experience with skills and knowledge gained in PE 9, as well as experience with additional physical education activities not previously taught. Designed to introduce students to various activities with an emphasis on individual and dual sports. Units taught will include but not be limited to aquatic lifesaving and games, tennis, volleyball, badminton, golf, archery, combatives, self-defense, dance, softball and fitness assessment. Social skills, sportsmanship, fitness principles and regular daily conditioning will continue to be taught, practiced and reinforced in this class.

PE 9-10

10-12

Designed to provide the opportunity to develop high levels of fitness through involvement in aerobic dancing, exercises to music, some weight training, walking, study of nutrition, and other fitness activities.

ADAPTED PE

9-10

Designed to provide eligible handicapped students the opportunity to participate in individualized physical education activities. Each student's program will be adapted to accommodate his/her individual needs and capabilities.

Prerequisite: Placement in this class is dependent upon the approval of each school's Local Review Team. Referrals to the Team may be made through the school nurse or guidance counselor and must be activated by a referral from a physician.

PHYSICAL EDUCATION ELECTIVES

Courses listed below do not meet graduation requirements

WEIGHT TRAINING AND CONDITIONING

10-12

Designed to provide the opportunity to develop high levels of fitness through involvement in weight training, running, calisthenics, and swimming. This course does not fulfill the PE 9 and 10 requirements.

Prerequisite: "C" or better in PE 9.

ADVANCED WEIGHT TRAINING AND CONDITIONING

10-12

Designed to provide an opportunity to develop proficiency and skill in Olympic Style weight training and to develop and enhance athletic ability through speed and agility training. This course is designed for the motivated student-athlete looking to advance beyond basic weight training and looking to perform at his /her highest athletic level. Students will sign up for either fall or Spring Advanced Weight Training based on teachers' recommendation. This course does not fulfill the PE 9 and 10 requirements.

Prerequisite: "B" or better in Weight Training and recommendation of the weight-training instructor. 9th graders must have prior coach approval. Coaches will give lists to counselors.

ATHLETIC PE

10-12

Designed to assist today's student athletes in balancing the demands of athletics and academics. Areas of emphasis will be on learning styles, conditioning, endurance training, sports psychology, tutoring, sports theories, injury prevention, nutrition, self analysis, history of sports and application of sports knowledge to lifelong learning. This course may not be used to fulfill the PE 9 or PE 10 graduation requirement. For varsity athletes only. Athletes will sign up for either fall or Spring Athletic PE based on coaches' recommendation.

Prerequisite: Written recommendation by varsity head coach of the student's sport.

ADVANCED PE**10-12**

Designed to improve skills through conditioning, practice drills, team strategies, and game play. An emphasis will be placed on officiating techniques, coaching, and leadership abilities in team and individual sports. Students will receive officiating and scorekeeping training.

AEROBICS & FITNESS**9-12**

Designed to provide the opportunity to develop high levels of fitness through involvement in aerobic dancing, exercises to music, some weight training, walking, study of nutrition, and other fitness activities.

SPORT IN SOCIETY**11-12**

Sport Culture (Sport in Society & Peak Performance of the Student-Athlete) is a course designed for general level and college bound students. Major themes of sportsmanship, tolerance, and diversity, and the essence of sport are analyzed through the nature, culture, history, ideology, roles, institutions, and performances of the sport phenomenon. These understandings are then linked to the applied learning of the Essential Knowledge and Skills necessary for students to successfully fulfill their adult roles and responsibilities. Students will engage in debates, investigations, research, presentations, community-based studies of local youth, high school, and collegiate sports. Students will also produce a portfolio of their life management skills, performance management skills, and communication skills.

SCIENCE

BIOLOGICAL SCIENCE

CP BIOLOGY (UC/CSU)

9-12

Designed for college-preparatory students who need an experimental life science. This course encourages student responsibility for learning through a variety of experiences that include developing biological literacy, working cooperatively in lab groups, applying science skills to everyday life, recognizing and evaluating relationships between technology and society, and developing processing and concept-mapping skills. Topics studied include cell biology, genetics, evolution, ecology, and diversity of organisms.

Placement Recommendation: Recommended for all college-bound freshmen who have completed Algebra I with a grade of “C” or better.

AP BIOLOGY (UC/CSU) Offered on odd years.

10-12

A second-year advanced level biology course designed to be equivalent to a college introductory biology course. This course differs from CP Biology in the depth of study and amount of quantitative analysis in the laboratory work. The course is intended to prepare students to pass the AP exam.

Prerequisite: Grade of “B” or better in CP Biology.

Placement recommendation: Grade of “B” or better in CP Chemistry or “C” or better in Honors Chemistry.

AP ENVIRONMENTAL SCIENCE (UC/CSU) Offered on even years

10-12

This course is designed for highly motivated college-bound students. This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with those problems, and to examine alternative solutions for resolving or preventing them. Students will be engaged in the study and monitoring of our local community both in the laboratory and in the field. These studies will include population studies of local ecosystems and air, water, and soil analysis.

Prerequisite: grade of “C” or better in CP Biology

ZOOLOGY (UC/CSU) Offered on odd school years.

10-12

A course designed to provide 10th through 12th grade students with a second year course in life sciences after they have successfully completed Biology. Students will conduct in-depth studies into the taxonomy of animal phyla and will be able to compare and contrast the major organ systems of the animal phyla. Students will learn laboratory skills that are required for careers in veterinary medicine, marine biology, environmental management, and other related careers.

Prerequisite: Grade of “C” or better in CP Biology

FISH & WILDLIFE BIOLOGY (UC/CSU) Offered on even years

10-12

A science elective for students who have successfully completed Biology. This course will provide students with extensive field study opportunities in the local area to learn and apply the principles of environmental science and fish and wildlife management. Students will study wetlands, habitat maintenance, species identification, and diversity studies, and careers in State Fish and Game, U.S. Forest Service, State Parks, U.S. Fish and Wildlife Service, and many other related careers. Students will spend much of their time in hands-on field studies and related lab applications.

Prerequisite: Grade of “C” or better in CP Biology

PHYSIOLOGY (UC/CSU)

10-12

Designed for college-preparatory students. This course considers the structural and functional interrelationships of the systems in the human body. The course includes class discussions, labs, work with slides, models, and charts, and mammalian dissections. Special emphasis is placed on medical terminology, common diseases and disorders, and genetics. This is an ideal course for those who intend to pursue a medically-related career or who are simply interested in a better understanding of the human body.

Prerequisite: Grade of “B” or better in CP Biology

FORENSIC SCIENCE (UC/CSU)**11-12**

A course designed for college-bound juniors and seniors wishing to complete a capstone course in science. The primary focus is on the nature of physical evidence collected at a crime scene and the analyses of this evidence. Lab techniques include the fields of chemistry, physics, geology, biology, and medicine in the context of criminalistics. Some of the major types of evidence that are analyzed utilizing skills acquired from previous science lab courses are: drugs, glass, paint, soil, bloodstains, body fluids, hair, fibers, wood, plants, firearms, explosives, documents, handwriting, ink, typewriting, paper, impressions, photography (infrared, ultraviolet, and X-ray), toxicology, and latent fingerprints.

Prerequisite: Grade of “B” or better in CP Biology

Placement Recommendation: Grade of “C” or better in Chemistry and Physiology

PHYSICAL SCIENCE**CP EARTH SCIENCE (UC/CSU)****9-12**

This course is designed to prepare students for success in the academic, college-preparatory science courses required for college entrance. This predominantly physical science course emphasizes those techniques needed to prepare students for chemistry and physics while integrating with their algebra and geometry sequence. General topics investigated will be earth science, basic physics concepts and introductory chemistry. Students will engage in hands-on labs and projects in cooperative groups. This course is recommended for all freshmen not enrolled in CP Biology.

CP CHEMISTRY (UC/CSU)**10-12**

Designed to provide college-preparatory students with a mathematical and laboratory-oriented instruction in basic chemistry. Chemistry includes formula and equation writing, atomic theory, stoichiometry, gas laws, nuclear chemistry, acid-base reactions, qualitative analysis, and an introduction to organic chemistry. Students are expected to have algebra and problem-solving skills and will be required to prepare lab reports, complete problem sets, and participate in laboratory and discussion exercises.

Prerequisite: grade of “C” or better in CP Biology

Placement recommendation: Grade of “C” or better in or taken concurrently with geometry.

HONORS CHEMISTRY (UC/CSU)**10-12**

Designed for college-preparatory students who are planning to major in science, math or engineering. This course examines the composition and properties of substances as well as the reactions by which substances are produced from or converted into other substances. Concepts studied in a more in-depth study of those in CP Chemistry plus oxidation-reduction and bonding geometry. Students need advanced algebra, exponential and logarithm skills. Students must prepare lab reports, complete problem sets, and participate in laboratory and discussion exercises

Prerequisite: Grade of “B” or better in CP Biology

Placement Recommendation: Grade of “B” or better in or taken concurrently with Geometry

AP CHEMISTRY (UC/CSU) Offered on even school years**11-12**

A second-year chemistry course designed to be equivalent to general college chemistry. The emphasis here is the frequency and individual design of quantitative and qualitative lab work to complement a more in-depth discussion of topics not covered in CP or Honors Chemistry in order to prepare students for the AP Chemistry exam in May which may entitle them to college credit.

Prerequisite: Grade of “C” or better in CP Biology

Placement Recommendations: Grade of “B” or better in CP Chemistry or “C” or better in Honors Chemistry

CONCEPTUAL PHYSICS (UC/CSU)**10-12**

This course is designed for the student who would like to study physics conceptually. All of the major concepts are studied including states of matter, energy (light, sound, heat, mechanical), kinetics (force, gravity, work, motion), power, electricity and magnetism. Students will be expected to use basic Algebra to solve problems.

Prerequisite: Grade of “B” or better in Algebra I

HONORS PHYSICS (UC/CSU)**10-12**

Designed for college preparatory students who perform at honors level in the fields of math and science. Major concepts in physics to be studied, include energy, kinetics (force, work, motion), electricity and magnetism. This course will require mastery of advanced mathematical skills as an integral part of the course and labs.

Prerequisite: Grade of “B” or better in Geometry and Algebra II

AP PHYSICS B (TRIG-BASED PHYSICS) (UC/CSU) Offered on even school years **10 -12**

An advanced level physics course, which forms the first part of the college sequence that serves as the foundation in physics. Methods of algebra and trigonometry are used wherever appropriate in formulating principles and applying them to problems. The subject matter covers a wide variety of physics topics, with special attention paid to Mechanics, Thermodynamics, Electricity & Magnetism, Optics and Nuclear Physics. Strong emphasis is placed on solving a variety of challenging problems, using many trigonometric and algebraic techniques. This course is intended to prepare students to pass the AP exam.

Prerequisite: Grade of B or better in CP Physics or C or better in Honors Physics, Grade of B or better in Geometry and a grade of B or better in or taken concurrently with Algebra 2.

SOCIAL SCIENCE

WORLD STUDIES (UC/CSU) **10**

Designed for general-level and college-level preparatory students. In this one-term course students examine major turning points and the cause-and-effect flow of the forces that have shaped the modern world. Curricular units are based on state standards and include The Development of Modern Political Thought, The Age of Revolutions, The Industrial Revolution, Imperialism, the Causes and Effects of World War I, The Rise of Totalitarianism, The Causes and Effects of World War II, The Cold War, Nation-Building and Global Developments in the Modern World.

AP EUROPEAN HISTORY / ENGLISH BLOCK (UC/CSU) **10**

Designed for the university-bound student; students are expected to possess the skills necessary for college-level performance. Preparation for college testing in European History is a major focus of the course. Students will engage in the process of framing an inquiry, selecting relevant sources and organizing evidence in support of a thesis. Primary and secondary sources of information will be examined and analyzed. Students will build on their skills in logic, analytical reading, critical thinking and high-level expository writing. A successful performance on the Advanced Placement Exam will enable students to obtain college credit in American History at selected colleges and universities. This course follows the national AP European History framework and not the California State Standards for World History. AP students MUST sign up for and take the AP exam.

Placement Recommendation: Grade of B or better in English 9 or instructor approval. A written essay may be required. *This course satisfies the World Studies graduation requirement. *This class is blocked with one of the English 10 classes for a yearlong course.

US HISTORY (UC/CSU) **11**

Designed for general-level and college-level preparatory students. In this one-term course students examine major turning points and the cause-and-effect flow of the forces that have shaped the United States in the 20th century. Curricular units are thematically and chronologically based on state standards and include The Foundation of the American Nation (review unit), Industrialization and Immigration, Religion's Role in America, America's Rise to World Power, The 1920s, The Great Depression and New Deal, World War II, Domestic changes in Postwar America, Foreign Policy in the Cold War, The Civil Rights Movement, and Contemporary American Society.

US HISTORY (ADVANCED PLACEMENT)/ENGLISH BLOCK (UC/CSU)**11**

Designed for university-bound students; students are expected to have skills necessary for college level performance. AP U.S. History is a rigorous in-depth examination of the course of American economic, political and social development from colonial to contemporary times. Preparation for academic success in college work and testing is a major focus of this course. Students will engage in the process of framing an inquiry, selecting relevant sources and organizing evidence in support of a hypothesis using primary and secondary sources of information in their analysis. Students will strengthen their skills in logic, analytical reading, critical thinking and high-level expository writing. Students who complete the course are strongly encouraged to take the Advanced Placement History Examination. A successful performance on the Advanced Placement Exam will enable students to obtain college credit in American History at selected colleges and universities. This course follows the national A.P. United States History framework and not the California State Standards for U.S. History. AP students MUST sign up for and take the AP exam. Placement Recommendation: Grade of B or better in English 10 or instructor approval. A written essay may be required. *This course satisfies the United States History graduation requirement. *This class is blocked with one of the English 11 classes for a yearlong course.

MILITARY HISTORY**9-12**

Military History is a course designed to provide all students with a comprehensive survey of the history, principles, effects, practices and the profession of armed conflict. Students will use skills in cooperative learning, project development, and world-class standards of technical reading, writing, research, decision-making and public speaking as they study the processes and principles of warfare in the context of the complexities of modern-day foreign policy. Students will develop an awareness of the awful realities of war through eye-witness accounts, oral histories, film video, pictures and literature. They will also apply knowledge and skills in tactics and strategy in the context of historical situations, and through the use of computer simulations, to learn the lessons of military history in relationship to today's unpredictable global environment.

ECONOMICS (UC/CSU)**12**

This is a one-semester course. Economics focuses on basic economic principles, the American business structure, economic performance, gross national product and fiscal policy, banking and monetary policy. Economic problems in the US and overseas and personal economics are also stressed. The course emphasizes the active role of the individual and provides practical strategies for students to use in making personal economic decisions.

GOVERNMENT (UC/CSU)**12**

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

STUDENT GOVERNMENT**9-12**

A semester elective course for students elected or appointed to student council. Students develop leadership skills and an understanding of parliamentary procedure by planning, organizing, budgeting, and executing a variety of student activities throughout the year. Students have the opportunity to participate in retreats, meet with school and community leaders, and network with student leaders from other schools in California through conferences and trainings. Through these activities, members of student government directly impact the morale and spirit of all Antelope students while building relationships and memories that will last a lifetime. This course does not meet the district social studies graduation requirement but may be repeated for credit.

LEADERSHIP**9-12**

Communication and Organizational Leadership is a course designed to provide students with the skills they need to be effective leaders: understanding personality and leadership styles, time and stress management, conflict resolution, and group dynamics, public speaking and leadership roles. Students will also learn and apply effective communication skills, resource management, and interpersonal skills. This course is designed to provide students with the leadership skills they need to be actively involved in Student Government, Athletics, and other co-curricular activities as well as work experiences and career preparation activities outside of school.

VISUAL AND PERFORMING ARTS

ART I (UC/CSU)

9-12

This is a beginning course where no experience is necessary. Students only need to have an interest in developing skills in basic design, drawing, painting, printmaking, three-dimensional media, and learning about other artists. Emphasis will be in learning and developing techniques necessary to complete assignments in the various mediums. Students will also use their imagination to develop creative and expressive works of art. Lab Fee.

ART II (UC/CSU)

10-12

This course emphasizes canvas painting, printmaking, acrylic painting and opportunities for more intense investigation into drawing and painting techniques in a variety of materials/media. The elements and principles of design are integrated throughout the course. This course also includes the development of artistic concepts through the study of art heritage in America and the world. Attendance at a professional gallery may be required. Lab Fee.

ART III (UC/CSU)

10-12

This course follows Advanced Art and is recommended prior to taking AP Studio Art. Students focus on a series of works that relate thematically and in technique. The students can decide what materials to use and can include: airbrush, oil paint, acrylic, printmaking, etc. A major portion of the grade will be the art show that the students organize, design and publish brochures, and host a reception. The artwork can be sold and students will gain experience in running their own show, similar to professional artists. Students will be able to complete their VAPA graduation requirements. Lab Fee.

Art IV (UC/CSU)

10-12

Art 4 further develops what students began in Art 3 as they continue to develop a body of work. Students will learn proper, professional preparation and display of their work in a public venue (coffee shop, gallery, bookstore, etc.). Students will learn how to approach galleries for selection and participation in a group show. This class will emphasize the exploration of new and creative approaches to art-making within the student's series of works. Students will also have the opportunity to explore different approaches to art-making which will include mono prints, collagraphs and oil paint. In addition the course will include professional artists' visits to explain their work and their experiences in the field of fine art, graphic design and illustration. Art 4 is perfect preparation for students interested in IB Art, AP Studio Art and/or improving their portfolio of work for college.

CERAMICS I (UC/CSU)

9-12

Emphasis will be on understanding the use of design in functional clay work in pottery and sculpture. The class covers hand-built pottery, clay sculpture, and art appreciation and design, especially as they relate to ceramics. Lab fee.

CERAMICS II (UC/CSU)

10-12

Designed to give students an opportunity to concentrate in hand-built pottery, wheel pottery, or sculpture. Students will be expected to perform at an advanced level and develop an individual style. Lab fee.

CERAMICS III (UC/CSU)

10-12

Designed to give students an opportunity to concentrate in hand-built pottery, wheel pottery, or sculpture. Students will be expected to perform at an advanced level and develop an individual style. Students will become acquainted with the work of famous sculptures from the 20th century and make informed responses to works of art, nature, and other objects by using objective criteria for analysis, interpretation, and judgment. Technically, students will refine their abilities to apply design elements and principles in wheel throwing, hand building, and glazing techniques. Students will build a portfolio and be responsible for organizing art shows featuring their own work. Attendance of student art shows outside of class will be required. Lab fee.

PHOTOGRAPHY I (UC/CSU)

9-12

For general or college-preparatory students interested in creative and recreational photography. Emphasis will be on the principles of digital photography and SLR photography (techniques of black/white photography and darkroom processes). Lab Fee

PHOTOGRAPHY II (UC/CSU)**10-12**

Advanced Photography is a course designed to provide 11th and 12th grade students with an advanced course in photography which will enable students to learn career preparation skills in photography: studio work, digital photography, advanced darkroom techniques, computer technology. Students may use the skills learned in this course to further explore careers in commercial photography, commercial printing multimedia, magazine publication, and other careers where advanced photography skills are required. Students will work on school-related projects such as the yearbook, newspaper, and other campus publications. Lab Fee.

PHOTOGRAPHY III (UC/CSU)**11-12**

Advanced Photography is a course designed to provide 11th and 12th grade students with an advanced course in photography which will enable students to learn career preparation skills in photography: studio work, digital photography, advanced darkroom techniques, computer technology. Students may use the skills learned in this course to further explore careers in commercial photography, commercial printing multimedia, magazine publication, and other careers where advanced photography skills are required. Students will work on school-related projects such as the yearbook, newspaper, and other campus publications. Lab Fee.

GRAPHIC DESIGN I: PHOTO & IMAGE EDITING**9-12**

This class is non-sequential and can be taken independently or concurrently of Graphic Design 2. Its focus is on the use of Adobe Photoshop. It is designed to teach general and college prep students skills required in the commercial and graphic art fields. Emphasis is on giving students real world experiences in production of commercial and technical art. Students will use mainstream computer applications and programs to create their artwork. Lab Fee: \$5.00

GRAPHIC DESIGN II: ILLUSTRATION & VECTOR GRAPHICS**10-12**

This class is non-sequential and can be taken independently of Graphic Design 1. Its focus is on the use of Adobe Illustrator. It is designed to teach general and college prep students skills required in the commercial and graphic art fields. Emphasis is on giving students real world experiences in production of commercial and technical art. Students will use mainstream computer applications and programs to create their artwork. Lab Fee

GRAPHIC DESIGN III: PRODUCTION MERG & GRAPHIC I & II**11-12**

To be designed. Lab Fee:

AP ART HISTORY (UC/CSU)**11-12**

An advanced class designed to provide students with a critical understanding and enjoyment of man's painting, sculpture, and architecture. The class will prepare students for the Advanced Placement Examination. Readings, slides, discussions, and field trips will be used to teach students about the history of art. Outside attendance of some art showings and/or exhibits may be required. Lab Fee

AP STUDIO ART (UC/CSU)**12**

An advanced performance based course emphasizing development of a portfolio of work which will be graded by secondary and college teachers. The portfolio will be graded on quality, concentration, and breadth of formal, technical and expressive means. Students must be self-motivated and able to work independently. Lab Fee.

BAND

MARCHING BAND (UC/CSU)

9-12

Designed for all instrumental musicians at any grade level. Students will participate in Marching Band performances. Students are required to attend performances held at night and on Saturdays. May be repeated for credit.

SYMPHONIC BAND

9-12

Designed for all instrumental musicians at any grade level. Symphonic Band students will participate in concert and festival performances. Students are required to attend performances held at night and on Saturdays. May be repeated for credit.

JAZZ ENSEMBLE (UC/CSU)

9-12

Designed for all instrumental musicians at any grade level. Jazz Ensemble students will participate in jazz and festival performances. Students are required to attend performances held at night and on Saturdays. Students must be concurrently enrolled in at least one term of Symphonic or Marching Band. May be repeated for credit.

COLOR GUARD

9-12

The Color Guard is an integral part of the marching band, and may be a separate competition unit throughout the spring semester. Students will learn to interpret music through marching formations, body movement and various color guard equipment work. Members of the Marching Band Color Guard should be enrolled in this class and are required to attend all after-school rehearsals and public performances. This course may be repeated for credit. It does not meet VAPA requirements.

GUITAR (UC/CSU)

9-12

Guitar offers beginning instruction in basic chords, strumming, finger picking and flat-picking playing techniques, music reading and basic theory. Students will participate in solo and ensemble performances in and outside of class. May be repeated for credit. Students must supply their own guitars (acoustic required).

PIANO LAB (UC/CSU)

9-12

Piano Lab is a one-term course designed for students who desire to acquire or develop piano keyboarding skills while engaged in music study. Students will learn to read music and will explore the elements of music theory. Students will develop fine motor skills, a technical and aesthetic appreciation of music, life-long learning disciplines and motivations related to music, music etiquette, ear training, rhythm, dictation and sight reading skills. Students will be required to participate in musical performances.

CHOIR

CHAMBER CHOIR (UC/CSU)

9-12

Designed for the advanced singer. A Cappella singing of historically significant music, as well as, contemporary, pop, and jazz selections will be rehearsed and performed. Ear training, theory and sight singing will be studied. Attendance at after school rehearsals and performances are required. Enrollment is limited to 24. May be repeated for credit.

CONCERT CHOIR (UC/CSU)

9-12

Designed for less experienced singer. Choral music will be rehearsed and performed. In addition, vocalization, diction, breathing, note reading, basic vocal theory, group singing, solo singing, sight singing, and performance techniques will be studied. Attendance at after school, evening and weekend performances will be required.

TREBLE CHAMBER CHOIR (UC/CSU)

9-12

Treble Chamber Choir is a singing ensemble for voices that are comfortable in the treble ranges – i.e. soprano and alto. This choir performs intermediate and advanced literature from various selected eras of musical histories in 3,4,and 5 parts. The Treble Chamber Choir may also rehearse and perform in conjunction with the Concert Choir and/or Chamber Choir. In addition to the techniques of rehearsal and performance, the students learn the theory and history of the music performed, the fundamentals of correct vocal technique, interval recognition and writing, and note reading. Required performances are scheduled by the director.

DANCE

DANCE (UC/CSU)

9-12

This course strives to develop basic skills in a variety of dance styles including jazz, ballet, tap and Polynesian as well as teaching musicality, choreography development, physical skills and the value of hard work and responsibility. Grades are based on daily participation, attitude, effort, skill, and the final dance performance. Members of the class are required to participate in all rehearsals and dance performance(s) at the end of the year as their final grade. While costs are minimal, students are asked to buy shoes and ladies need a pair of tights.

INTERMEDIATE DANCE (UC/CSU)

9-12

This class is the next step for students who have completed the beginning dance class. Students will build upon what they have learned in beginning dance in the study of jazz, ballet, tap, Polynesian, and other forms of dance such as contemporary, modern, and hip hop. Students will also continue to develop dance technique and work on projects. They will perform in fall and/or spring productions. Members of the class are required to participate in rehearsals and the dance performance(s) at the end of the year as their final grade. Students may be asked to provide some costuming for the show and purchase lyrical sandals.

ADVANCED DANCE (UC/CSU)

9-12

Designed for advanced dance students only. This class builds on the skills taught in Intermediate Dance. This course will provide instruction in a variety of dance forms and performance. Students will also learn dance terminology and history. Student choreography and teaching is stressed. Students will perform and teach dancing in the area schools and/or community; therefore, good school attendance is required. Members of the class are required to participate in rehearsals and the dance performance(s) at the end of the year as their final grade. Admission by teacher approval only.

DANCE COREOGRAPHY/HISTORY

10-12

This class offers the dance student the opportunity to choreograph dances in many styles with props and other creative elements. This class is for students who have completed Intermediate Dance. Students also have the opportunity to learn more about the world of dance: famous dancers, dance around the world and the history of dancing. Students will perform in fall and/or spring productions. Members of the class are required to participate in rehearsals and the dance performance(s) at the end of the year as their final grade. Students may be asked to provide some costuming for the show and purchase lyrical sandals.

DANCE INTERNSHIP**10-12**

This course allows the dancer to plan and teach dance at Antelope or in area schools on a continuing basis. Class time is split between work at school planning and evaluating lessons and on-site teaching. Students must provide their own transportation. The student interns will also plan and produce a show for the children and/or be involved in the planning of the end of term performance. Members of the class are required to participate in rehearsals and the dance performance(s) at the end of the year as their final grade.

DRAMA**DRAMA (UC/CSU)****9-12**

Designed for general or college-preparatory students. This course will include a study of theater from historical and technical perspectives, but the primary focus will be on the development of acting skills. Instruction will be given in pantomime, improvisation, character development, interpretation, memorization and concentration..

INTERMEDIATE DRAMA (UC/CSU)**10-12**

This course provides serious acting students the opportunity to continue their training in characterization, advanced improvisation, movement, auditioning, scene work, script analysis and interpretation and appreciation. Students are required to attend practices and rehearsals after school as well as performances held at night and on the weekends. May be repeated for credit.

PROFESSIONAL DRAMA (UC/CSU)**9-12**

This course will focus on putting on live stage productions continuously throughout the year. Advanced and college level acting and technical skills will be required and practiced, while experience in directing and backstage production will be focused on throughout the class. Students are required to attend practices and rehearsals after school as well as performances held at night and on the weekends.

SPECIAL PROGRAMS**SPECIAL EDUCATION****9-12**

Designed to provide instruction for students with special learning needs. An Individualized Educational Plan (IEP) is written for each student based upon appropriate assessments. Eligibility is determined by academic and psychological testing. Students may be referred for placement evaluation by teachers, parents, or counselors. Special Ed students are mainstreamed to the fullest extent possible.



49er REGIONAL OCCUPATIONAL PROGRAM COURSE CATALOG 2009-2010
Classes Available to Students Attending ANTELOPE HIGH SCHOOL

WHAT IS R.O.P.?

The Regional Occupational Program (R.O.P.) provides an opportunity for students to explore the world of work while mastering the necessary skills needed for college, advanced training, business and industry. By applying the academic knowledge and technical skills acquired while in high school to a real-job environment, students may upgrade their existing skills and/or prepare for advanced training. All of this is accomplished through a combination of classroom instruction by qualified instructors and supervised hands-on training in laboratory or real work environments.

R.O.P. is available for high school seniors, juniors, and qualifying sophomores.

Some R.O.P. classes are “in-house” classes which means that they do not have an on-the-job training component outside of the classroom. Sophomores who are 16 years of age may enroll in the “in-house” classes with an administrator or counselor referral and approval. Sophomores who are under the age of 16 may be eligible to enroll in “in-house” classes offered on their home campus if they have a four-year plan that reflects the R.O.P. course as being part of a three-year sequence of career technical education (CTE) courses, and is documented by the student’s counselor in a four-year plan for graduation.

Seniors and juniors have enrollment priority.

Classes are taught in ‘blocks’ which vary in length, from a single block to a 3-hour class/training time period each day. R.O.P. classes may be taken within the student's regular class day or during a period of time that extends past the regular school day.

Students must be able to provide their own transportation to the training site if they are enrolled in a course that has a community-based training component and/or to classes held in a location other than the student’s home campus.

Students should enroll in an R.O.P. course for the entire school year. Courses are completed when students enroll from August to May/June.

Certificates of Completion can only be earned by students enrolling for the entire course and who fulfill additional requirements for the Certificate.

R.O.P. PROVIDES...

a way for high school students to add valuable hands-on experience to their portfolio, resume, and to college applications.

preparation for post-secondary education and/or training.

high school credit toward graduation.

courses that have been approved for specified University of California a-g requirements

opportunities to earn community college credits.

Certificates of Completion accompanied by a list of demonstrated competencies.

training for full-time or part-time employment where local employment needs exists

job-seeking skills.

SPECIAL FEATURES

Many classes offer internships in local community businesses or industries. After a number of weeks in these classes, students are placed on training sites and attend class one day per week and participate in on-the-job training on the other school days during their R.O.P. time.

Classes are held on high school campuses and at the R.O.P. Center in Auburn. If enrolled in an R.O.P. class that is not on a student’s home campus and has an on-the-job training component, the student may secure training sites close to his/her home campus, reducing the travel distance. If enrolled in an R.O.P. class that is not on a student’s home campus and has an on-the-job training component, the student may secure training sites close to his/her home campus, reducing the travel distance. Students are covered by workers’ compensation insurance.

ANIMAL AND VETERINARY CAREERS

Class Location: R.O.P. Center, Auburn

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Recommended Preparation: Animal science, biology, life science

College Articulation: Students may articulate and receive college credit at Yuba College.

UC/CSU Course Approval: "Integrated Animal Science" (an advanced section of this course) qualifies as a UC "d" lab science course for the admissions application. Students are admitted to this section with instructor approval. Prerequisite for the UC/CSU course section: Biology and Algebra, C grade or better

This class offers instruction in small and large animal health care, study of common diseases (pathology), veterinary procedures, diagnostic laboratory procedures, basic anatomy and physiology, medical and animal related terminology, animal grooming, animal handling and restraint techniques, client relations and office procedures. Internship opportunities may include veterinary clinics, horse ranches, animal control, feed and tack stores, pet shops, or pet grooming shops or an animal training facility. Internship hours may count towards meeting the prerequisite for admission to Veterinary Technician programs and Schools of Veterinary Medicine. Employment opportunities may include veterinary assistant, horse farm employee, veterinary hospital aide, kennel attendant, animal groomer, animal control officer, pet shop attendant or other ancillary occupations.

AUTOMOTIVE SERVICES

Class Location: Placer H.S.

Grade Level: 11-12

Length of Course: Full school year

Internship Included: No

Recommended Preparation: Computer studies, electronics, shop/tech core classes

College Articulation: Students may articulate and receive college credit at following community colleges: American River, Cosumnes, Yuba, and Sierra.

This on-campus class offers instruction in engine performance, engine repair, automotive maintenance, electrical systems, transmissions and drivelines. Hands-on involvement in automotive services takes place in the Placer auto shop. Employment opportunities may include entry-level technician, auto parts and service sales person.

AUTOMOTIVE TECHNOLOGY

Class Location: Placer H.S.

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Recommended Preparation: Electronics, computer studies, shop/tech core classes

Prerequisite: Auto services and recommendation of instructor

College Articulation: Students may articulate and receive college credit at Sierra, Yuba, Cosumnes or American River.

An advanced class in automotive technologies offers instruction in all eight A.S.E. areas, introduction to on-board computers and testing, smog control testing procedures, engine overhaul and automotive technologies. Internship opportunities may include: auto dealerships, automotive repair or body shops, retail parts businesses, machine shops, brake and front end shops, motorcycle repair shops or specialty shops. Employment opportunities may include automotive machinist's helper, engine specialist, auto technician apprentice, brake and front end specialist, auto body/paint apprentice, collision repair, parts and inside sales, emission control technician, auto detailer.

BAKING AND PASTRY CAREERS

Class Location: Whitney H.S.

Grade Level: 11-12

Length of Course: Full school year

Internship Included: No

Recommended Preparation: Beginning culinary arts or food preparation

COURSE DESCRIPTION: This course is designed to prepare students for the specific entry-level skills needed to excel in this exciting career within the food service industry. With a Certificate of Completion from 49er ROP, the student will be prepared to meet the demands that employers want and need. Students will learn the culinary skills that are foundational to baking and patisserie including breads, cakes, specialty breads, hot and cold plated desserts, cake decorating, chocolates, tarts and torts. Students who complete the program will have met the American Culinary Certification for ServSafe. Jobs in this specialty area include: bread and pastry bakers, dessert specialists, catering specialists, patisserie specialists, institutional and cafeteria baker, bakery chef, and gourmet specialty bakery.

BUSINESS FINANCE AND ACCOUNTING

Class Location: Woodcreek H.S.

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

College Articulation: Students may articulate and receive college credit at Sierra College.

Recommended Preparation: Recordkeeping, bookkeeping R.O.P. Accounting or experience

This class will introduce students to the vast world of business finance and accounting in the community and the many careers available ranging from entry-level clerk positions to high paying careers as an accountant. Students will learn the basics of financial bookkeeping and progress through topics that will prepare them to work in various areas in the world of business and finance. Students will be prepared for entry-level work in bookkeeping, accounts receivable, accounts payable, payroll and many other areas in finance. Students will learn accounting procedures for a sole proprietorship, partnership and a corporation to prepare them to be successful in many different workplace settings. Internship opportunities may include private businesses, government offices and accounting offices.

BUSINESS TECHNOLOGY

Class Location: Granite Bay H.S.

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Recommended Preparation: Business classes

College Articulation: Students may articulate and receive college credit at Sierra College.

CSU Sacramento: Students may earn CSU credits for this class during the school year.

This class prepares students for today's ever-changing, fast-paced business environment. Instruction includes skills vital to success in an integrated office setting. Curriculum focuses on business cultures, ethics, operations and management styles, how to develop interpersonal relationship skills, analyze and manage information using word processing, spreadsheet and database, presentation and desktop publishing software. In addition, training will include 10-key, FAX, professionalism in the office, time management, employer/employee relations, business English and math. Internships are offered in a wide variety of business environments ranging from small to large companies including but not limited to law, real estate, insurance architecture, travel, county agencies and large computer companies. Employment opportunities may include receptionist, bookkeeping/account clerk, secretary; general clerical or other business related positions.

CHILD DEVELOPMENT AND EDUCATION

Class Location: R.O.P. Center, Auburn

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Recommended Preparation: Math, psychology, child development, communication skills

Requirements: Negative TB test; hepatitis vaccinations recommended

College Articulation: Students may articulate and receive college credit at Sierra College and Yuba College.

UC/CSU Course Approval: "Developmental Psychology of Children" (an advanced section of this course with supplemental curriculum requirements) qualifies as a UC "g" elective course for the admissions application.

Students are admitted to this section with instructor approval.

CSU Sacramento: Students may earn CSU credits for this class during the school year.

This class offers instruction in the stages of early child development, activities for young children, health and safety awareness of children, educational philosophies and teaching styles and techniques. Internship sites may include a pre-school, child care centers, family day care home, elementary classroom, after-school s programs or special education class. Employment opportunities may include childcare aide, pre-school teacher, Head Start aide, elementary teacher's aide, or special education teacher's aide.

COMPUTER TECHNOLOGY

Class Location: Granite Bay H.S.

Grade Level: 11-12

Length of Course: 2 semesters (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Recommended Preparation: Math and Computer Applications

Prerequisites: Computer Studies or recommendation of instructor

College Articulation: Students may articulate and receive college credit at Sierra College.

If you are interested in a career in the technology industry, this class will get you started! This course provides students with on-the-job training in local technology companies. Employment opportunities may include computer troubleshooting, installation of hardware and software, networking (both wired and wireless), web design and web site maintenance. Computer Technology gives students valuable real-world experience to apply their computer skills, and helps build resumes for technology careers. Past students from this program have had internships at Intel, Oracle, NEC, Coherent, WebIgnite, Penmarin Publishing, and local school districts. Previous technical classes are strongly recommended, but not required.

CONSTRUCTION TECHNOLOGY

Class Location: Granite Bay H.S.

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Recommended Preparation: Beginning wood-working, CAD Drafting, welding

College Articulation: Students may articulate and receive college credit at Sierra College.

This class offers an opportunity for training and/or employment in the construction industry where there is a high demand for employees. This class provides students with on-the-job training with local companies. Instruction focuses on basic construction theory and practice, drafting, surveying, and print reading, safety, building code application and introduction to electrical and plumbing. Employment opportunities may include residential/commercial construction, architecture, engineering or drafting, construction supply warehouse, cabinet shop, welding shop, heavy equipment operation, electrical, plumbing, heating and air conditioning, building maintenance, and landscaping.

COSMETOLOGY

Class Location: Citrus Heights

Grade Level: 12

Length of Course: 3 semesters plus Saturdays & Summer School

Recommended Preparation: Physical science, biology, art

Fees: Contact beauty colleges or the R.O.P. counselor on your campus for information.

This class offers 1600 hours of instruction including business practices, standards and ethics, manicuring, make-up application, hair styling, hair bleaching and tinting, theoretical and practical skills necessary to apply for the California State Cosmetology License exam. Instruction and training takes place at the Citrus Heights Beauty College or at Career College of Cosmetology, Yuba City. Student kits are provided with an option to purchase. Employment opportunities may be hair stylist, manicurist, cosmetician or pedicurist. Students contact the beauty colleges directly and follow the beauty colleges' application process. Students should work through the R.O.P. liaison/counselor on their home campuses.

This program requires an application in the junior year that is due at a designated time, usually in November. See your counselor for details and visit the program web site at www.chbeautycollege.com

CULINARY ARTS

Class Location: Woodcreek H.S.

Grade Level: 11-12

Length of Course: Full school year

Recommended Preparation: Preliminary culinary course

Internship Included: Students will operate the on-campus café.

College Articulation: Students may articulate and receive college credit at American River College upon completion of the Pro Start curriculum.

This course prepares students for entry-level positions in the field of culinary arts. This course is designed for students who enjoy cooking, but are interested in pursuing culinary arts as a career. Students learn traditional, fundamental cooking skills, customer service, and teamwork skills for employment. Students operate the on-campus Timber Rock Café and participate in catered events. Students gain exposure to career opportunities by talking to experienced chefs and restaurant/catering managers.

ADVANCED CULINARY CAREERS

Class Location: Del Oro High School

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Prerequisite: Previous culinary classes and/or culinary work experience are required. Student must have his/her foods/culinary teacher approval or the R.O.P. instructor's approval in order to enroll. Students may pre-enroll during the pre-enrollment period if they believe they qualify.

This class is advanced and includes hands-on training for the professional kitchen along with training site placement in a commercial kitchen, restaurant, catering or other appropriate facility. Training includes sanitation, organization, preparation, planning and cooking. This class is designed for the student exploring a career in foodservice, and/or planning to attend a culinary academy or community college program.

DENTAL CAREERS

Class Location: R.O.P. Center, Auburn

Grade Level: 11-12 (priority given to seniors)

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Requirements: Communication skills, good finger and gross motor dexterity; Hepatitis vaccinations/waiver, negative TB test

Recommended Preparation: Biology and/or life science

Graduation Credit: Life Science

College Articulation: Students may articulate and receive college credit at Sierra College.

This class offers instruction in dental office procedures, practices, standards and ethics as well as dental terminology, anatomy, physiology and disease process, dental asepsis and sterilization, 4-6 handed dental assisting, patient care, front office skills and telephone techniques. Internships may be located in dental offices/clinics or dental labs. Employment opportunities may include dental assistant, lab technician assistant, dental office assistant, dental receptionist or dental insurance biller. Classroom location is in Auburn; job site placement available in Nevada County. High school students, other than independent study students, must enroll in the afternoon class.

FASHION MERCHANDISING CAREERS

Class Location: p.m. class at R.O.P. Center, Auburn and a.m. class location TBD

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Recommended Preparation: Classes in business, marketing, textile design or art

Graduation Credit: Math

This class introduces the student to the exciting fashion industry, focusing on fashion marketing functions and foundations of the fashion industry. Included in the related instruction are the origins and influences of fashion, visual merchandising, fabrics and textiles, consumer psychology and behavior, fashion trends, forecasting, and promotion. Internship opportunities may include, but not limited to boutiques as well as major retail department stores. Employment opportunities may include merchandise specialist, assistant buyer, visual merchandiser, entry-level manager, show-room assistant, sales representative, etc.

FIRE SCIENCE CAREERS

Class Location: Maidu Fire Station in Auburn

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Requirements: Communication skills, physical agility, coordination and stamina, basic math skills, good eyesight, and good physical condition for the rigorous physical component included in this course. Students who have asthma or other breathing conditions or allergic conditions should contact the instructor to determine appropriate placement.

Recommended Preparation: Algebra, geometry and biology

College Articulation: Students may articulate and receive college credit at Sierra College.

Fire Science Careers is an introductory class into the challenging career of a fire fighter. Students will have the opportunity to learn the skills used by fire fighters. The curriculum will include emergency medical aide training, CPR and first aid, fire behavior and extinguishment theory, wild land fire operations, fire protection and safety, use of equipment (hoses and appliances, ground ladders, ropes) first responder operations, etc. Internships will be in local fire stations or at CDF. A person must be 18 years of age before they may be employed as a fire fighter. A written test as well a medical examination is required prior to employment. There will be costs for the students for certifications, necessary injections and materials. Employment opportunities may include seasonal firefighters for California Department of Forestry and Fire Protection and the United States Forest Service.

HEALTH CAREERS

Class Location: R.O.P. Center, Auburn

Grade Level: 12 only

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

Recommended Preparation: Biology or life science

Requirements: Negative TB test, Rubella test/vaccination, hepatitis vaccinations/waiver; may require an application process, as seats are limited in order to provide for a quality training site experience.

College Articulation: Students may articulate and receive college credit at Sierra College.

The Health Careers course offers rigorous and relevant instruction in applied anatomy and physiology, medical procedures, disease processes, medical terminology, practices, standards and ethics, patient care and practices, vital signs, CPR, front and back office protocols and computer operations. Internship opportunities offer cross training in a wide variety of areas of the hospital and convalescent hospitals, emergency facilities as well as outpatient medical settings. Employment opportunities include medical records clerk, laboratory assistant, dietary aide, physical therapy aide, transport orderly, unit secretary and EKG technician.

LAW ENFORCEMENT CAREERS

Class Location: Roseville H.S.

Grade Level: 11-12

Length of Course: Full school year

Transportation Required: Students must provide their own transportation to and from off-site activities.

Internship Included: No

This full-year course is designed to provide classroom instruction and situational scenarios to prepare students for a law enforcement academy, an Explorer program, or a career in the Administration of Justice system. The course will provide an in-depth overview of the American criminal justice system to facilitate decision-making for students who may be considering a career as a police officer, federal law enforcement officer, corrections officer, probation officer, or a criminal or civil law attorney. Units of instruction include: overview of the system, explanation and scope of contemporary crime; development, structure and operation of law enforcement systems; innovations and role expectations for law enforcement personnel; innovations and changes in technology structure and role of courts; the juvenile justice system; and the structure and purpose of the correctional system. "Ride-alongs" with local law enforcement will be provided to qualifying students. Guest speakers from local law enforcement agencies such as police departments and the Sheriff's department will be utilized.

MARKETING CAREERS

Class Location: R.O.P. Center, Auburn (p.m. class) and location of a.m. class TBD

Grade Level: 11-12

Length of Course: Full school year (3 hours each day, Monday - Friday)

Internship Included: Yes. Students must provide their own transportation to class and training sites.

College Articulation: Students may articulate and receive college credit at Sierra College.

Gain work-based skills needed in the marketing and merchandising field. The curriculum includes the economics of business, creative selling/customer service, merchandise care, inventory and control, display techniques, cashiering operations, security and safety procedures, marketing math, advertising and merchandise clerical skills, introduction to business ownership. Internships take place in all types of retail businesses. Employment opportunities include salesperson, inventory control clerk, shipping and receiving clerk, marketing specialist, visual designer, advertising, cashier, courtesy clerk.

MASONRY

Class Location: Adelante H.S.
Grade Level: 11-12
Length of Course: Full school year
Internship included: No

This on-campus class is designed to introduce students to the skills required to become successful in the field of brick, block, and stone construction. Students will learn how to read plans, mix mortar, lay bricks and/or blocks, and stone. This course will include shaping blocks, bricks, and stone in order to construct or repair walls, planter boxes, benches, and fireplaces, and more. Upon completion, students may continue their masonry education by entering an apprenticeship program for stone masonry, stone cutting, stone finishing, stone drilling, bricklaying, or a brick mason and/or receive on-the-job training with a mason.

MEDICAL ASSISTING , CLINICAL

Class Location: R.O.P. Center, Auburn
Grade Level: Senior and 18 years of age by October 15, 2009
Length of Course: Full school year (3 hours each day, Monday - Friday)
Internship included: Yes. Students must provide their own transportation to class and training sites.
Requirements: Negative TB test, Rubella test/vaccination, hepatitis vaccinations/waiver
Recommended Preparation: Biology or life science, computer literacy and applications and Algebra I
College Articulation: Students may articulate and receive college credits at Sierra College and Yuba College.

This class offers instruction in applied anatomy and physiology, medical procedures, practices, standards and ethics, patient care and practices, vital signs, CPR, back office protocols. Internship opportunities are in doctor offices and medical clinics. Employment opportunities include a medical assistant working the front and/or back office in a medical office or clinic.

SPORTS & ENTERTAINMENT MARKETING

Class Location: Oakmont H.S.
Grade Level: 11-12
Length of Course: Full school year
Internship included: No

This on-campus class will help students develop an understanding of the marketing concepts and theories that apply to the sport and entertainment industry. Students will learn the principles of marketing, economics, history of sports and entertainment, legal issues, products, prices, places and promotions to become successful in a marketing career. Students will work with local companies where they will learn the realities of working in the sports and entertainment industry. Students will also learn to prepare marketing and business plans, and participate in career exploration. Students receive classroom instruction and participate in field work with local companies, and will be encouraged to participate in projects outside of regular class hours. Employment opportunities include entry-level positions in advertising, marketing, sales, promotions, public relations, special event planning, stadium concessions, and merchandising.

SPORTS MEDICINE CAREERS

Class Location: Placer H.S.

Grade Level: 11-12

Length of Course: Full school year

Recommended Preparation: Biology, life science, anatomy; physiology, health

Requirements: Negative TB test, Rubella test/vaccination, hepatitis vaccinations/waiver

College Articulation: Students may articulate and receive college credit at Sierra College.

UC Course Approval: This course qualifies as a UC “g” course (elective) for the UC admissions application.

CSU Course Approval: This course qualifies as one of the “d” courses (lab science) OR “g” (elective) for the CSU admissions application.

Learn the basic fundamentals and skills necessary to the field of athletic training. Instruction includes basic anatomy and physiology, prevention and assessment treatment and care of athletic injuries, immediate and temporary care of injuries, nutrition, training room/office management practices procedures, standards and ethics. Internship opportunities are with local high schools athletic departments. Employment opportunities may include sports injury technician or athletic trainer aide in a high school athletic department, park and recreation department, physical therapy clinic and fitness center.

TELEVISION BROADCASTING

Class Location: Placer H.S.

Grade Level: 11-12

Length of Course: Full school year

Internship included: No

This entry-level course is designed to provide students experience necessary for employment in a variety of occupations in television production, broadcasting, film production, audio recording, television studio production, television advertising and video retail.

VIDEO PRODUCTION

Class Location: Placer H.S.

Grade Level: 11-12

Length of Course: Full school year

Internship included: No

UC/CSU Course Approval: This course qualifies as a UC “f” course (Visual and Performing Arts) for the UC/CSU admissions application.

This on-campus class provides training to students in the following areas using digital technology in video cameras and editing: Video camera functions and operation; non-linear digital video editing; knowledge of video formats, tape formats, computer programs and operation; videography skills; script-writing and story production; audio production; lighting; studio production skills including camera, floor directing, audio, graphics, directing and producing. Employment opportunities include video production assistant, sound designer assistant, visual artist, multimedia specialist, and production assistant.