

# **CASA ROBLE FUNDAMENTAL HIGH SCHOOL**

## **COURSE CATALOG**



# **2017-2018**

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Casa Roble High School is committed to equal opportunity for all individuals in education. School programs, activities and services shall be free from unlawful discrimination based on actual or perceived sex, race, color, national origin, religion, age, sexual orientation, sexual preference, ancestry, ethnic group identification, gender, physical or mental disability, or on the basis of a person's association with a person or group with one or more of these actual or perceived characteristics, or sexual harassment in any district service, program and/or activity that receives or benefits from state financial assistance. The school shall promote programs which ensure that unlawful discriminatory practices are eliminated in all school activities.

## CASA ROBLE FUNDAMENTAL HIGH SCHOOL GRADUATION REQUIREMENTS

<u>SUBJECTS</u>	<u>CREDIT</u>
English	40
Mathematics	20
Science	
Life Science	10
Physical Science	10
Social Studies	
World History	10
U.S. History	10
American Government	5
S.S. Elective	5
Economics	5
Communications (Public Speaking)	5
Health	5
Physical Education	20
Visual/Performing Arts *	10
Community Service **	10
Required Elective Credits	<u>115</u>
<b><u>TOTAL CREDITS REQUIRED FOR GRADUATION</u></b>	<b>280</b>

### **Additional Requirements:**

1) SENIOR PROJECT: Successful completion of a Senior Project is required for graduation from Casa Roble Fundamental High School.

\* 10 credits of Second Language reduces the required 10 credits of Visual/Performing Arts to 5 credits.

\*\* Students may choose to fulfill the Community Service requirement by either: 1) taking a class and fulfilling 10 credits or 2) fulfilling 60 hours of acceptable pre-approved service outside the school day.

- Open Period – Seniors with 220+ units at end of their junior year may choose an Open Period each grading period.

# CASA ROBLE UC AND CSU A-G COURSE LIST

## **A. History/Social Science 2 Years**

American Government  
AP Government  
US History  
AP US History  
AP European History

## **E. Language Other than English 2/3 Years Rec.**

French 1, 2, 3, 4  
Spanish 1, 2, 3, 4

## **B. English 4 Years**

English 1, 2, 3, 4  
Honors English 1, 2  
AP English Language & Composition  
AP English Literature & Composition

## **F. Visual and Performing Arts 1 Year**

Art Studio	Beginning Drawing & Painting
Advanced Art Studio	Advanced Drawing & Painting
AP Studio Art	Beginning Drama
Beginning Ceramics	Advanced Drama
Advanced Ceramics 1&2	Photography 1
	Photography 2

## **C. Mathematics 3 Years Rec.**

IM 1	Pre-Calculus
IM 2	AP Statistics
IM 3	AP Calculus AB
Algebra 2	AP Calculus BC

## **G. Elective 1 Year**

Economics	World Religions
AP Economics	Agriculture Science I, II
Integrated Science 1	Floral Design
Psychology	Fine Woodworking I, II
Sociology	AVID 9-12
Speech	Score Academy
Journalism 1/Newspaper/Radio-TV	CTE Automotive Tech I, II
Journalism 2/Yearbook	

## **D. Laboratory Science 2/3 Years Rec.**

IS 2 Biology	Honors IS 2 Biology
Chemistry	Honors Chemistry
IS 3 Earth Science	Honors IS 3 Earth Science
Physics	Honors Physics
Honors Physiology	AP Biology
AP Environmental Science	AP Chemistry

# ENGLISH

*UC/CSU* indicates the course meets the University of California and California State University **A-G** entrance requirements.

## ENGLISH 1

**(REQUIRED) Grade 9**

*UC/CSU*

In English 1 students apply the knowledge and skills acquired in the earlier grades but in more refined and sophisticated ways. Emphasis is centered on analyzing both fiction and non-fiction in greater depth, analyzing informational discourse, completing complex writing assignments, and making frequent oral presentations. This course is aligned with the CA State Common Core Standards. The curriculum in this course prepares students for both the annual state testing and for the High School Exit Exam.

## HONORS ENGLISH 1

**Grade 9**

*UC/CSU*

**Prerequisite: Meet district criteria and/or Casa Roble administrative approval after review of transcripts, CST scores, teacher recommendations and grades.** Honors English 1 is a survey of both fiction and non-fiction literature using a humanities approach. Critical thinking skills will be taught to develop the student's ability to interpret, evaluate and compare literature from different historical time periods. Composition will emphasize the development of the multi-paragraph essay. The writing strands of autobiographical incident, report of information will be stressed with attention to the writing process, especially skills of revision and editing. Extended projects and oral presentations will be included. This course is aligned with the CA State Common Core Standards.

## ENGLISH 2

**(REQUIRED) Grade 10**

*UC/CSU*

English 2 emphasizes in-depth analysis of fiction, poetry, and non-fiction, and completion of complex writing assignments. Composition emphasizes the multi-paragraph essay in several strands of writing, with specific emphasis on literary analysis, persuasion, and research using the MLA format. This course is aligned with the CA State Common Core Standards, and specifically targets the CA High School Exit Exam.

## HONORS ENGLISH 2

**Grade 10**

*UC/CSU*

**Prerequisite: A maintaining grade of "C" or better in Honors English 1 or a maintaining grade of "B" or better in the regular program and recommendation of the English 1 teacher.** Designed for college-preparatory students, Honors English 2 emphasizes critical thinking, critical reading skills, and analytical writing combined with a study of literature. The literature selections will include non-fiction writing, poetry, short stories, and novels. This course requires students to develop and use critical thinking skills in order to synthesize the content and ideas from several sources focused on a single issue or written by a single author, produce evidence of comprehension by paraphrasing ideas and connecting them to other sources and to related topics, and extend ideas presented in primary or secondary sources through original analysis, evaluation and elaboration. Additionally, students will write essays that establish a coherent controlling theme that conveys a clear and distinctive perspective and maintains a consistent tone and focus. Students will also engage in listening and speaking activities that will function as the culmination of their reading and writing. This course is aligned with the CA State Common Core Standards.

## ENGLISH 3

**(REQUIRED) Grade 11**

*UC/CSU*

English 3 concentrates on American literature, focusing on themes that reflect American culture. The study will require students to develop interpretive and critical levels of comprehension, and further develop skills associated with the multi-paragraph essay. Emphasis will be placed on style and developing complex sentence structure for more effective communication. Among other essays, students will write a multi-source research paper with citations following the MLA format. This course is aligned with the CA State Common Core Standards Curriculum, in preparation for preparation for the Smarter Balance Assessment Program.

## HONORS ENGLISH 3

**Grade 11**

*UC/CSU*

**Prerequisite: A maintaining grade of "C" or better in Honors English 2 or a maintaining grade of "B" or better in the regular program and recommendation of the English 2 teacher.** Honors English 3 is a rigorous and demanding survey of American literature requiring students to study representative American authors and the various literary movements to which they belonged. Students are required to do extensive reading of novels, supplemented by samplings of American poetry, short stories, drama, and/or non-fiction. The writing will also be extensive, focusing primarily on developing critical thinking skills in relationship to analyzing the literature. Students will respond regularly to the literature in journals, write several essays both in and out of class, and complete an in-depth MLA research paper that focuses on a

historical issue of a 20th century decade. This course is aligned with the CA State Common Core Standards, in preparation for the Smarter Balance Assessment Program.

**SPEECH**  
**(9 weeks)**

**(REQUIRED) Grade 11**

**Prerequisite: None.** *Speech is a nine-week class paired with Economics.* The class will study dynamics of communications (verbal, non-verbal, listening); interpersonal communications (formal and informal); group communications; mass media; speech writing and delivery. It is a hands on course in which the student learns how to become a capable communicator.

**ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION**  
**UC/CSU**

**Grade 11**

Prerequisite: Maintaining a C or better in Honors English 2 or maintaining a grade of B or better in the regular program and the recommendation of the English 2 teacher.

AP Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading will make students aware of the interactions among a writer's purpose, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The goal of AP Language and Composition is to enable students to write effectively and confidently in high-level courses across the curriculum. The expository, analytical, and argumentative writing that students must do in college is based on reading; therefore, this course teaches students to read primary and secondary source material carefully, to synthesize material from these texts in their own compositions, and to cite source material using conventions recommended by the MLA.

**ENGLISH 4**  
**UC/CSU**

**(REQUIRED) Grade 12**

**Prerequisite: None.** English 4 is also a standards based course, emphasizing critical reading and analytic writing. Literature from a variety of cultures, time periods, and genres will be featured. Writing strands include but are not limited to analysis, reflection, persuasion, and research. Considerable emphasis will be given to reading, writing and speaking skills necessary to complete Senior Project. To that end, English 4 students will prepare and present a Senior Project Proposal letter, conduct in-depth research into a topic related to their project, produce a research paper following MLA conventions, and make numerous informal and formal presentations to classmates.

**ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION**  
**UC/CSU**

**Grade 12**

Prerequisite: Maintaining a C or better in Honors English 3 or AP Language and Composition, or the maintaining a grade of B or better in the regular program and the recommendation of the English 2 teacher.

AP Literature and Composition engages students in the careful reading and critical analysis of critically acclaimed literature. Through close reading of selected texts representing works from several genres and periods—from the sixteenth to twentieth century—students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes, as well as literary techniques, including the use of figurative language, imagery, symbolism, and tone.

Since reading and writing stimulate and support one another, they are taught together in order to underscore both their common and their distinctive elements. Writing assignments will focus on the critical analysis of literature and will encourage students to write effectively under the time constraints they encounter on essay examinations in college courses across the curriculum, including English. In addition to preparing students to take the AP exam in May, attention will be given to the research, writing, and speaking skills necessary to complete Senior Project. AP students will prepare and present a Senior Project Proposal letter, conduct in-depth research into a topic related to their project, produce a research paper following MLA conventions, and make numerous informal and formal presentations to classmates.

**ENGLISH ELECTIVES**

**FILM AND LITERATURE**

**Recommended Grades 9-12**

**Prerequisite: None.** Elective credit only. Students in this 18-week course study both old and contemporary films that are universally recognized by filmmakers and film critics to be classics. The course is organized around 10 genres, and students will view, analyze and discuss three of the most representative films within each that are appropriate and of interest to high school students. Discussion of the generic qualities of these films and of their impact on the genre and on our culture in general will be integrated into each unit, as will specific information on film history, actor/director biographies, technological developments and evolutions, trends, and cycles in movie making. Students will learn basic "elements of film" including script, cinematography, sound, editing, acting, setting, costume and make-up, and direction in route to becoming more discerning and intelligent film viewers.

### **JOURNALISM 1 - NEWSPAPER / RADIO TV**

**Recommended Grades 10-12**

***UC/CSU***

**Prerequisite: An "A" or "B" in current English class, teacher recommendation, approval of course instructor and student editors.** Students learn all facets of newspaper publication including journalistic writing style (news, feature, review, editorial and sports), layout, production and graphic design. Students will be required to meet deadlines. Some out-of-class time is required for production, fund raising and obtaining advertising. Knowledge of word-processing is needed. Applied speech and video technology is an 18-week performance-based class. That develops student knowledge and proficiency in formal speech, basic video recording and editing, an introduction to audio engineering, computer graphics and video switching, script writing, direction and logistics.

### **JOURNALISM 2 - YEARBOOK**

**Recommended Grades 10-12**

***UC/CSU***

**Prerequisite: Application to and selection by advisor.** Yearbook is a course in journalism that stresses the concepts of journalistic research and expression, of layout and design, of photo-journalism and of intensive problem-solving. There is a heavy emphasis on writing.

### **WOMEN IN LITERATURE**

**Recommended Grades 9-12**

**Prerequisite: None.** This course explores the role of women in modern literature. Students will study how the portrayal of women in short stories and novels often reflects women's status in that society. Additionally, students will study the impact of female authors in depicting well-rounded female characters. Finally, we will study the value of realistic female characters to a society that struggles to deal with gender equality.

# MATHEMATICS

*UC/CSU* indicates the course meets the University of California and California State University **A-G** entrance requirements.

## INTRODUCTORY MATH CLASSES

### INTEGRATED MATH 1 + IM 1 Support\* (Full Year Course)

**Recommended Grade 9**

*UC/CSU*

**Prerequisites: None** This is the first high school level integrated and investigative mathematics course of the California Common Core State Standards designed to build concepts and skills in topics of algebra, geometry and data analysis. The use of collaboration, experimentation, patterns, modeling, and/or conjectures will be incorporated to build student understanding and competency in mathematics.

\*IMI Support provides a variety of additional instructional strategies to help students in fundamental concepts to support success and confidence in mathematics.

(10 credits IM1 + 10 credits math elective)

### INTEGRATED MATH 1

**Recommended Grade 9**

*UC/CSU*

**Prerequisites: None** This is the first high school level integrated and investigative mathematics course of the California Common Core State Standards designed to build concepts and skills in topics of algebra, geometry and statistics. The use of collaboration, experimentation, patterns, modeling, and/or conjectures will be incorporated to build student understanding and competency in mathematics. (10 credits)

### MATHEMATICAL MODELING

**Recommended Grades 9-12**

Mathematical Modeling would be a one-term problem-based course with an emphasis on financial literacy, taken after IM 1 which would help a student gain additional skills, based on IM 1 standards, and prep for IM 2. This would be a math credit course, but not A-G.

### INTEGRATED MATH 2

**Recommended Grades 9-10**

*UC/CSU*

**Prerequisites: Completion of IM 1 with grade of "C" or better in all grading periods.**

This is the second high school level integrated and investigative mathematics course of the California Common Core State Standards designed to build concepts and skills in topics of algebra, geometry and data analysis. The use of collaboration, experimentation, patterns, modeling, and/or conjectures will be incorporated to build student understanding and competency in mathematics. (10 credits)

### INTEGRATED MATH 3

**Recommended Grades 10-12**

*UC/CSU*

**Prerequisites: Completion of IM 2 with grade of "C" or better in all grading periods.**

This is the third high school level integrated and investigative mathematics course of the California Common Core State Standards designed to build concepts and skills in topics of algebra, geometry and statistics. The use of collaboration, experimentation, patterns, modeling, and/or conjectures will be incorporated to build student understanding and competency in mathematics. (10 credits)

## MATH ELECTIVES

### PRE-CALCULUS

**Recommended Grades 11-12**

*UC/CSU*

**Prerequisites: IM 3 with a "C" or better in both grading periods.** Meets math graduation requirement. Pre-calculus topics not yet learned in IM 3 are studied. This course devotes a significant amount of time to the study of trigonometry, including trigonometric functions, trigonometric identities and equations, polar equations and graphs and applications of trigonometry including vectors. Topics also include the in-depth study of functions including algebraic, rational, radical, and parametric equations. Number theory plays a large role in this course and can be seen in detail when combinatorics, probability, sequences and series and linear programming are examined.



**ADVANCED PLACEMENT STATISTICS****Recommended Grades 11-12***UC/CSU*

**Prerequisites: Completion of Algebra 2/IM 3 or higher with grade of "C" or better in both grading periods.** The advanced placement course in statistics is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four broad conceptual themes are exploring data, planning a study, anticipating patterns in advance, 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. (10 credits)

**ADVANCED PLACEMENT CALCULUS AB****Recommended Grade 12***UC/CSU*

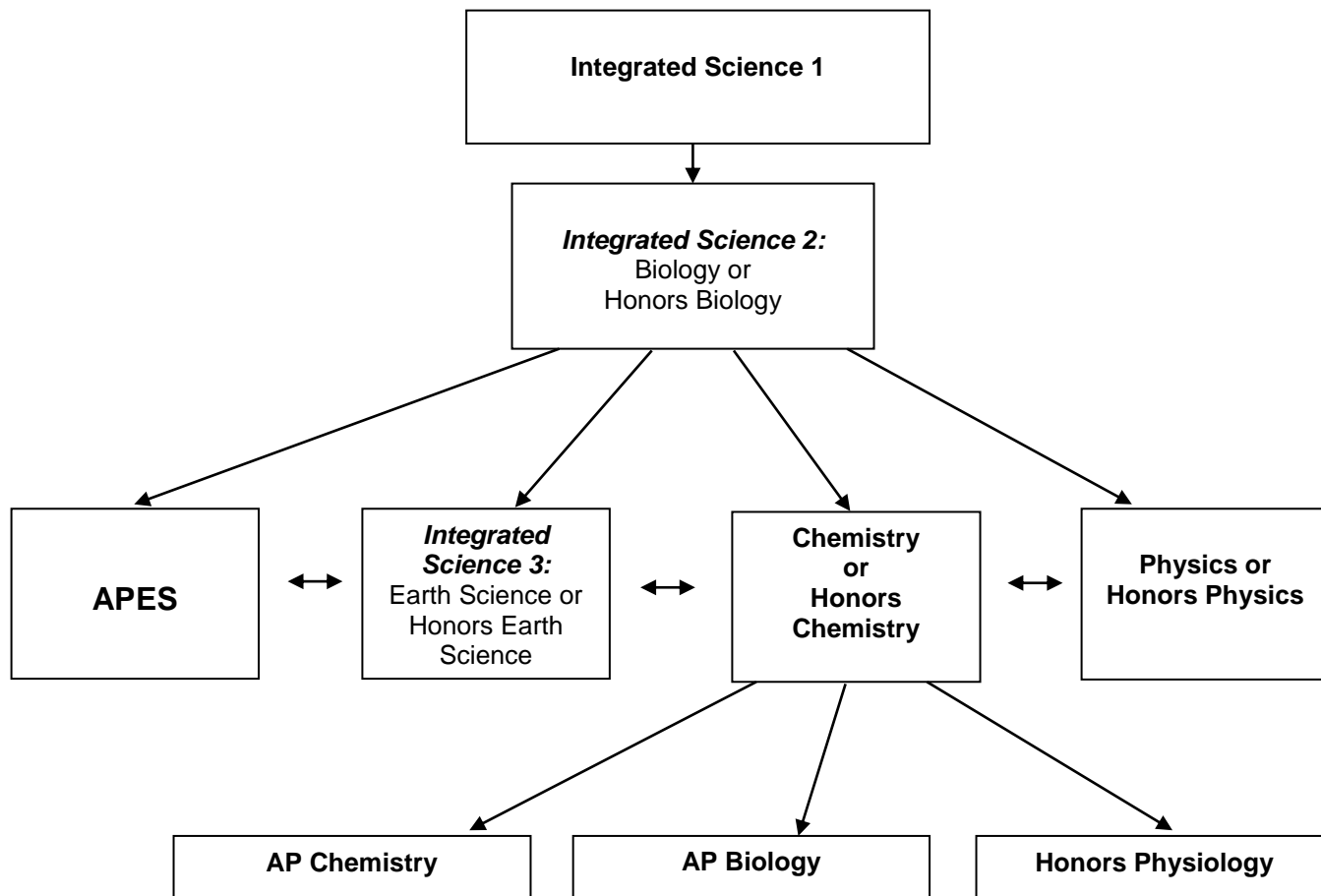
**Prerequisite: Pre-calculus with "C" or better in both grading periods.** This is an advanced placement course, equivalent to the first semester of calculus at the college level. The course covers limits and continuity, derivatives and applications, definite and indefinite integrals and applications. Earning a score of 3 or better on the AB exam, which is given in May, qualifies the student for credit for one semester of calculus at most colleges and universities. (10 credits)

**ADVANCED PLACEMENT CALCULUS BC****Recommended Grade 12***UC/CSU*

**Prerequisite: AP Calculus AB.** Calculus BC is an intensive course in the calculus of functions of a single variable. In addition to topics covered in Calculus AB, the Calculus BC course includes topics such as infinite series, parametric equations, vector functions, and an introduction to differential equations. Earning a score of 3 or better on the BC exam, which is given in May, will qualify the student for credit for two semesters of calculus at most colleges and universities. (10 credits)

# SCIENCE

## Course Sequence



## SCIENCE DEPARTMENT

### Requirements

**UC/CSU** indicates that the course meets University of California and California State University entrance requirements.

**UC/CSU Lab Science** indicates that the course counts toward UC (d) lab science requirement. **UC/CSU Elective** indicates that the course meets UC (g) elective requirement.

- **Minimum Science required for high school graduation:** 10 credits of **Life Science** and 10 credits of **Physical Science** (Course descriptions below indicate if a course is classified as life or physical).
- **Minimum Science required for UC/CSU admission:** 10 credits of **Physical Science/Lab Science** and 10 credits of **Life Science/Lab Science**. For example, Biology and Chemistry would meet the UC entrance requirement for science.

**Students can earn a higher UC/CSU admission score by taking additional lab science courses beyond what is required for admission. The science courses at Casa Roble provide an excellent introduction to the science concepts that students will be expected to learn in college.**

# SCIENCE DEPARTMENT

## **GENERAL INFORMATION: INTEGRATED SCIENCE (IS)**

Integrated Science is a sequence of science courses designed to introduce all students to the four major disciplines of science (biology, chemistry, physics and earth science) and to reveal the connections between the disciplines. Emphasis will be placed upon "hands-on" laboratory activities that will allow students to become actively engaged in the process of science

### **IS 1 PHYSICAL SCIENCE (10 cr. Physical)**

**Recommended Grade 9**

*UC/CSU*

**Prerequisite:** None

Integrated Science 1 provides the student with a comprehensive view of science concepts and principles, as well as offers the student numerous opportunities to develop science process skills. Students will be introduced to biology, chemistry, earth science, and physics, with emphasis on the Content Standards for Integrated Science 1. This course provides a foundation to all of the other science courses at Casa Roble High School.

### **IS 2 BIOLOGY (10 cr. Life)**

**Recommended Grade 9-10**

*UC/CSU Lab Science*

IS 2 Biology is aligned to the California State Content Standards for Biology. This course explores cells, genetics, ecology, evolution, and biochemistry. Students will also be engaged in investigation and experimentation through the study of the scientific process.

### **IS 2 HONORS BIOLOGY (10 cr. Life)**

**Recommended Grades 9-10**

*UC/CSU Lab Science*

**Prerequisite:** A's in English AND at least B's in CCSS 8.

Honors Biology is a rigorous, fast-paced course which includes more sophisticated in-depth coverage of the state's Science Standards in Biology than in the Regular Biology class. Honors students are expected to be motivated, mature, self-directed learners who have excellent reading comprehension skills. Students are engaged in the development of laboratory techniques covering the California science standards, which include the structure and function of living things, matter and energy in living systems, ecology, genetics, and evolution. This class is also designed to prepare students for Advanced Placement course work.

### **IS 3 EARTH SCIENCE (10 cr. Physical)**

**Recommended Grades 10-12**

*UC/CSU Lab Science*

**Prerequisite:** IS 2 Biology with a D or better in both grading periods.

This course introduces students to the study of earth science, aligned to the California State Content Standards for Earth Science. Students will explore earth materials (rocks, minerals, and natural resources), earth processes (plate tectonics, volcanism, weathering and erosion), and astronomy. Students interested in careers in the fields of geology, hydrology, material science, civil engineering, natural resources, or astronomy are encouraged to enroll in this course.

### **IS 3 HONORS EARTH SCIENCE (10 cr. Physical)**

**Recommended Grades 10-12**

*UC/CSU Lab Science*

**Prerequisite:** IS 2 Biology/IS 2 Honors Biology with a GPA of 3.0 and successful completion of IM 2 or teacher recommendation.

Honors Earth Science is a rigorous, fast-paced course which includes more sophisticated in-depth coverage of the state's Science Standards. Honors students are expected to be motivated, mature, self-directed learners who have excellent reading comprehension skills. Students are engaged in the development of laboratory techniques covering the California science standards. This class is also designed to prepare students for Advanced Placement course work.

### **CHEMISTRY (10 cr. Physical)**

**Recommended Grades 11-12**

*UC/CSU Lab Science*

**Prerequisite:** IS 2 Biology/IS 2 Honors Biology with a weighted GPA of 2.0 or better in IM 1, or completion of IM 2, or teacher recommendation.

This course is aligned to the California State Content Standards for Chemistry. In chemistry science students learn about the composition, structure and properties of matter, the processes that matter undergoes, and the energy changes that accompany these changes. Students interested in careers as engineers, chemists, pharmacists, doctors, nurses, dentists, veterinarians, firefighters, emergency medical technicians (EMT's) and crime scene investigators (CSI's) are encouraged to enroll in this course. IS 3 Honors Chemistry is recommended in preparation for taking AP Chemistry.

**HONORS CHEMISTRY (10 cr. Physical)**

Recommended Grades 11-12

UC /CSU Lab Science

**Prerequisite: IS 2 Biology/Honors IS 2 Biology with a weighted GPA of 3.0 and successful completion of IM 2, or teacher recommendation.**

Honors Chemistry is a rigorous, fast-paced course which includes more sophisticated in-depth coverage of the state's Science Standards. Honors students are expected to be motivated, mature, self-directed learners who have excellent reading comprehension skills. Students are engaged in the development of laboratory techniques covering the California science standards. This class is also designed to prepare students for Advanced Placement course work.

**PHYSICS (10 cr. Physical)**

Recommended Grades 10-12

UC /CSU Lab Science

**Prerequisite: IS 2 Biology/IS 2 Honors Biology with a GPA of 2.0 and successful completion of IM 2, or teacher recommendation.**

The mathematics used in this course occasionally involves the basic trigonometric functions sine, cosine, and tangent. This course introduces students to the study of physics with an emphasis on the California State Content Standards for Physics. The class provides a laboratory-based approach to major concepts in the study of motion and forces, fundamental conservation laws, heat and thermodynamics, and electricity and magnetism. Students interested in careers in the fields of physics, chemistry, astronomy, geology or engineering are encouraged to enroll in this course.

**HONORS PHYSICS (10 cr. Physical)**

Recommended Grades 10-12

UC/CSU Lab Science

**Prerequisite: IS 2 Biology/IS 2 Honors Biology with a GPA of 3.0 and successful completion of Algebra 2/IM 2 or concurrent enrollment in IM 3, or teacher recommendation.**

Honors Physics is a rigorous, fast-paced course which includes more sophisticated in-depth coverage of the state's Science Standards. Honors students are expected to be motivated, mature, self-directed learners who have excellent reading comprehension skills. Students are engaged in the development of laboratory techniques covering the California science standards. This class is also designed to prepare students for Advanced Placement course work.

**HONORS PHYSIOLOGY (10 cr. Life) (Offered in Alternate Years)**

Recommended Grades 10-12

UC /CSU Lab Science

**Prerequisite: Successful completion of IS 2 Biology and Chemistry.**

This course examines the structural and functional interrelationships of most systems of the human body. Class experiences will include discussions, labs, microscope work, models, skits, dissections, and an in-depth research paper on a physiology topic using current medical journals. 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. *It is highly recommended that AP Biology students take this class to complete their preparation for the AP exam.*

**ADVANCED LEVEL COURSES (AP)**

All of these courses will prepare students for success in introductory college-level courses in that subject. Advanced level courses are designed for accelerated students who intend to qualify for admission to a four-year university out of high school. Each of these courses will prepare the outstanding student to compete at the highest possible level. It is recommended that students who are seeking professional level careers in any science-related field enroll in the appropriate advanced level Science course(s) related to their career goals. **Advanced Placement courses are much more rigorous, and require a higher reading level.**

**AP BIOLOGY (10 cr. Life) (Offered in Alternate Years)**

Recommended Grades 10-12

UC /CSU Lab Science

**Recommended: GPA of 3.0 or better in IS 2 Biology, completion of Chemistry, or teacher recommendation.**

This course is the equivalent of a college-level introductory biology course. AP Biology emphasizes quantitative analysis through extensive experimentation, and rigorous, in-depth study of biochemistry, cell biology, energy transformation, genetics, heredity, evolution, plants, and ecology. This course is intended to prepare students to pass the AP Biology exam in May. The student who passes it may qualify for college science credit.

**AP CHEMISTRY (10 cr. Physical) (Offered in Alternate Years)**

Recommended Grades 11-12

UC /CSU Lab Science

**Recommended: A weighted GPA of 3.0 or better in Chemistry and IM 3, or teacher recommendation.**

Advanced Placement Chemistry is a college level course designed to be the equivalent of Chemistry 1A. The course includes the rigorous study of chemical problems, kinetics, chemical and aqueous equilibrium, acids and bases, thermodynamics, electrochemistry and organic chemistry. It differs from Chemistry in respect to the college textbook used, the topics covered, the emphasis on chemical calculations and the kind of laboratory work done by students. This course emphasizes preparation for the AP test. Although taking the AP test is not required, the student who passes it may qualify for college science credit.

**AP ENVIRONMENTAL SCIENCE (10 cr. Life)**

**Recommended Grades 10-12**

*UC /CSU Lab Science*

**Recommended: GPA of 3.0 or better in IS 2 Biology or teacher recommendation.**

This course is the equivalent of a college-level introductory environmental science course. AP environmental science emphasizes quantitative analysis through extensive experimentation, and rigorous, in-depth study of earth systems, resources, living world, populations, land and water use, energy resources and consumption, pollution and global change. This course emphasizes preparation for the AP test. Although taking the AP test is not required, the student who passes it may qualify for college science credit.

# SOCIAL SCIENCE

**UC/CSU** indicates the course meets the University of California and California State University **A-G** entrance requirements.  
(H) Indicates courses designed as "Honors" level or Advanced Placement

## **WORLD HISTORY**

**(REQUIRED) Grade 10**

**UC/CSU**

Meets social studies graduation requirement. This course emphasizes the political, economic, social and geographic aspects of World history beginning with early democratic development and concluding with modern 21<sup>st</sup> century issues. Critical thinking skills are emphasized stressing cause-effect relationships.

## **WORLD HISTORY (HONORS)**

**Grade 10**

**UC/CSU**

**Prerequisite: See eligibility requirement for Honors Eng. 2.** Meets social studies graduation requirement.

Honors World History is designed for those students who wish to pursue a more intense study of world history. The major focus of the course is Western Civilization with a strong European influence however time will be spent on the study of Asia, Africa, and the Middle East as it relates to Europe. An essential part of the course will emphasize philosophy, humanities, and the arts in relationship to the political and economic forces of history.

## **UNITED STATES HISTORY**

**(REQUIRED) Grade 11**

**UC/CSU**

Meets social studies graduation requirement. U.S. History is a survey course based upon a district curriculum and the California State Standards. It covers all aspects of American history from the exploration and discovery period to the present, concentrating on the 20<sup>th</sup> century. Increasing critical thinking skills are emphasized and developed through various approaches including discussion, cooperative learning activities and oral and written presentations.

## **UNITED STATES HISTORY (HONORS)**

**Grade 11**

**UC/CSU**

Meets social studies graduation requirement. U.S. History Honors is an advanced level survey course in U.S. History for the serious, college-bound student. In addition to a faster-paced, more in-depth examination of the major personalities and events that have shaped the history of this nation, the course is based on regular critical reading and writing assignments. There will be regular formal critical essay assignments based on outside student reading and research, as well as regular outside and in-class readings that go well beyond the text. This course emphasizes understanding cause-effect relationships in history and studying the past by examining conflicting interpretations of events.

## **ECONOMICS**

**(REQUIRED) Grade 11**

**UC/CSU (9 Weeks)**

Economics is the study of scarcity, decision making, production, and distribution of resources. This course is an overview of the American economy. Increasing critical thinking skills are emphasized and developed through various approaches including discussion, cooperative learning activities and oral and written presentations.

## **AP ECONOMICS**

**Grades 11 & 12**

**UC/CSU**

**Prerequisite: Concurrent enrollment or completion of Algebra 2** This 18 week course is designed to prepare students for the AP Microeconomics test. The students examine individual and firm decision making models, market structures, supply, demand, competition, production functions and the role of government in business. This class requires a mathematics background especially in regards to graphing and algebraic skills.

## **AMERICAN GOVERNMENT**

**(REQUIRED) Grade 12**

**UC/CSU (9 Weeks)**

**Prerequisite: Senior year.** Must be taken senior year. American Government is a comprehensive course in the American political process: local, state, and federal. Understanding the rights, privileges and responsibilities as a citizen is a major course goal.

## **AP AMERICAN GOVERNMENT** *(Offered in Alternate Years)*

**Grade 12**

**UC/CSU**

This is an 18 week course in United States Government and Politics which will give students an analytical perspective on government and politics in the United States of America. The course includes both the study of general contents used to interpret U.S. government and politics and the analysis of specific examples. Students will become familiar with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics.

## **AP EUROPEAN HISTORY**

**Recommended Grades 11 & 12**

**UC/CSU**

This is a college course in European History focusing upon the years 1350-2000. It focuses upon the cultural, political, social and philosophical developments largely in Western Europe, but its studies will encompass the entire continent. Students will be given rigorous training in analyzing and interpreting complex historical documents as well as writing a variety of essays within a timed constraint in preparation and in expectation that students will take the AP Exam in May. Those scoring a "3" or higher will receive university history credit at colleges across the nation. AP European History fulfills the senior social studies elective requirement.

## **PSYCHOLOGY**

**(REQUIRED) Grade 12**

**UC/CSU (9 Weeks)**

Meets senior social science graduation requirement. Psychology is the scientific study of behavior and mental processes. This course examines social interaction, relationships, and practical applications for enriching your life. Areas of concentration include personality theory, abnormal psychology, and child psychology and family relations.

## **SOCIOLOGY**

**(REQUIRED) Grade 12**

**UC/CSU (9 Weeks)**

Meets senior social studies elective graduation requirement. Sociology is the scientific study of human society. It is concerned with the analysis of human behavior in group situations such as the family, gangs, schools, governments, races, ethnicities, and cultures. Students will gain insight to their social surroundings.

## **POLITICAL SCIENCE (You and the Law)**

**(REQUIRED) Grade 12**

**UC/CSU (9 weeks)**

Meets senior social studies elective graduation requirement. "You and the Law" is an exciting look at the legal system and how it affects citizens, and especially teenagers. Students role play legal situations as Judges, Lawyers, and Police Officers, as they develop a better understanding of their personal rights under the law.

## **AP UNITED STATES HISTORY**

**Recommended Grade 11-12**

**UC/CSU**

Advanced Placement United States History is a college course concentrating on the history of our nation from 1491 - 2000. The course will focus on political, social, cultural and economic issues involving the United States from pre-colonial times to our current era. Students will be given rigorous training in analyzing and interpreting complex historical documents as well as writing a variety of essays within a timed constraint in preparation and in expectation that students will take the AP Exam in May. Those scoring a "3" or higher will receive university history credit at colleges across the nation. AP U.S. History fulfills the senior social studies elective requirement.

## **INTERNATIONAL RELATIONS** (Offered in Alternate Years)

**Recommended Grades 10-12**

Model United Nations will introduce students to current and contemporarily relevant international politics, conflicts, and resolutions through traditional instruction as well as participation in simulations of United Nations procedure in attempts to resolve global issues both fictitious and fact. Students will learn about the different parts of the UN and its major and minor committees, as well as the UN's history, successes, and criticisms. Students will be able to use the skills learned in this course to compete with Casa Roble's Model United Nations Club at various collegiate conferences around California offered annually. Model UN is recommended for 10<sup>th</sup> through 12<sup>th</sup> grade students. It is also recommended that students who take Model UN have a B in both their English and Social Studies classes as this course will train students in and require rigorous research, analysis, writing, and debating.

## **TEEN LEADERSHIP AND CURRENT ISSUES**

**Recommended Grades 11-12**

**Prerequisite:** Must have teacher approval. **Recommendation:** Interest in volunteer involvement in one of the following: Friendship Day Facilitator/Participant, Peer Counseling (YNA), Casa Mentoring, Conflict Management, or other Community Service. This elective is designed to assist the student in attaining the leadership qualities and characteristics necessary to face the difficult and complex issues common in society today. Gives general elective, not social studies credit.

## **STUDENT GOVERNEMENT**

**Recommended Grades 9-12**

**Prerequisite:** Elected into the class or appointed by interview process.

These students want to be leaders, learn leadership skills and be a part of the decision making process for the student body. Elected by their peers and put into the class to work closely with administration so all students have the opportunity to participate in school activities and to help make decisions around dances, rallies, community service and charity works. Students learn leadership skills, government policies and follow Robert's Rules of Order.

**WOMEN IN U.S. HISTORY****Recommended Grades 9-12**

Women in US History is a course designed to broaden students' awareness of the many contributions women have made, the role they have played and the impact they have had on the shaping of our country's history and culture. Also to be addressed are issues facing women today in all areas of life. The course is designed to be student centered and will give the opportunity to all students to explore events, places, and people who have contributed to the history of women in the United States.

**WORLD RELIGIONS****Recommended Grades 11-12*****UC/CSU***

**Prerequisite: None.** The course is designed to broaden student knowledge about the basic dimensions of the world's major religions and their adherents, including geographical origins and areas of cultural influence. Includes a literary dimension exploring religious underpinnings of plot, character development, etc., in selected readings.

**WORLD GEOGRAPHY****Recommended Grades 9-10**

World Geography studies the world's geographic regions and relates that knowledge to events in today's rapidly changing world. Contemporary issues confronting the world today, such as trade, challenges of developing nations, urbanization, environmental pollution, and conservation of the world's resources are addressed. In addition, students develop basic geography skills including map reading and place identification along with the interpretation of charts and diagrams. As students gain a global perspective of geography, they become increasingly aware of their role as a global citizen of today.



# PHYSICAL EDUCATION

## **PHYSICAL EDUCATION 1**

**(REQUIRED) Grade 9**

**Prerequisite: None.** Meets physical education graduation requirement. The sports usually offered are team sports, and includes analysis of movement, dance, and aquatics. The class includes exercise training principles, personal fitness, and fitness evaluation.

## **PHYSICAL EDUCATION 2**

**(REQUIRED) Grades 10-12**

**Prerequisite: Completion of P.E. 1.** Meets physical education graduation requirement. The sports usually offered are individual and dual sports. Students will design, implement, and participate in an ongoing personal fitness program.

## **PHYSICAL EDUCATION 5**

**Recommended Grades 10-12**

**Prerequisite: Completion of P.E. 1 and a Recommendation from the Teacher.** Meets physical education graduation requirement. Modeled after P.E. 2 but also includes weight training instruction to prepare student for Advanced Body Conditioning (ABC). This Is a Yearlong class beginning with PE5 in Semester 1 and continuing with Advanced Body Conditioning 1 in Semester 2. This class is intended for the athlete or those with a high level of commitment to fitness and physical education. Students interested MUST sign up for PE5 in Semester 1 (fall) and ABC1 in Semester 2 (spring). Student participants will earn 5 PE credits for PE5 and 5 elective credits for ABC1 each semester.

## **ADVANCED BODY CONDITIONING**

**Recommended Grades 10-12**

**Prerequisites: Completion of P.E. 1 ELECTIVE Credit.** This course is for students interested in developing strength, speed, and power for athletics, and/or daily physical activity. The students will take initial testing of their strength, power, and speed followed by a daily strength and conditioning program which includes, flexibility, core strength, basic strength, functional strength, and upper and lower body plyometrics. Emphasis will be placed on student development of skills and knowledge related to enhanced performance and injury prevention.

## **WEIGHT TRAINING AND SPORTS**

**Recommended Grades 10-12**

**Prerequisite: Completion of P.E. 1 and P.E. 2 ELECTIVE credit.** Students will receive instruction and practice in all phases of weight training. This class is designed for the student who has a desire to learn about and develop personal strength and endurance. The students will work out in the weight room 3 days a week with alternate days spent playing sport activities, such as flag football, basketball, softball, badminton, and volleyball.

# LANGUAGE OTHER THAN ENGLISH

*UC/CSU* indicates the course meets the University of California and California State University **A-G** entrance requirements.

*The Seal of Biliteracy is available to students who maintain a "B" average through level 4.*

## **LEVEL 1 - FRENCH / SPANISH**

**Recommended Grades 9-12**

*UC/CSU*

**Prerequisite: Strongly recommend "C" or better in English.** Goals and Standards encompass speaking, listening, reading, writing as well as cultural understanding. Students will use the language to meet practical needs and solve problems. Speaking proficiency is developed primarily through role-playing and oral presentations. Listening proficiency is developed through Total Physical Response and audio-visual programs. Writing is produced in response to thematic units and grammatical exercises. Appreciation of culture is developed throughout the course as students read, prepare cultural projects, and watch videos about life in the countries where the language is spoken.

## **LEVEL 2 - FRENCH / SPANISH**

**Recommended Grades 9-12**

*UC/CSU*

**Prerequisite: "C" or better in level 1.** Strongly recommend it be taken back to back with level 1 in consecutive terms. Level 2 students continue developing their communication skills with an emphasis on creating with language. Students learn to communicate in past tense and in situations encountered in daily life and travel, immersing themselves in the target language as much as possible. All of the goals and standards from level 1 continue to apply.

## **LEVEL 3 - FRENCH / SPANISH**

**Recommended Grades 9-12**

*UC/CSU*

**Prerequisite: "C" or better in level 2.** Strongly recommended for students attempting to fulfill the 2-year second language requirement of universities. There is greater emphasis on reading and writing skills, using a variety of materials to teach the art, music, literature, and history of the foreign culture. Conversational skills are further refined. All of the goals and standards set forth above continue to apply.

## **LEVEL 4 - FRENCH / SPANISH**

**Recommended Grades 9-12**

*UC/CSU*

**Prerequisite: "B" or better in Level 3 or instructor's permission.** Strongly recommended for students attempting to fulfill the A-G requirements for the University of California. Level 4 students prepare for college language courses by further developing, refining and reviewing the four language skills and vocabulary. The target language is used almost exclusively by teachers and students. There is an emphasis on using language in context, reading literary selections, and writing compositions and responses to literature. All of the goals and standards set forth above continue to apply.

# VISUAL/PERFORMING ARTS

All two grading period classes meet the Fine Arts graduation requirement and college entrance requirements and the state university requirement.

**UC/CSU** indicates the course meets the University of California and California State University **A-G** entrance requirements.

The State of California has developed some fundamental components and universal goals to be used in developing an arts education curriculum: aesthetic perception, creative expression, art heritage and aesthetic valuing are those components. Casa Roble's art curriculum is based on these components.

## **ART STUDIO - MIXED MEDIA**

**Recommended Grades 9-12**

**UC/CSU**

**Prerequisite: None.** Art studio is a class that focuses on using a wide variety of mediums for student self-expression. The course may include sculpture, glass, drawing, painting, and printmaking. The students explore the art elements and principles throughout the course. Focus is on developing skills, craftsmanship, creativity and a broader knowledge of art in various cultures.

## **ADVANCED ART STUDIO – MIXED MEDIA**

**Recommended Grades 10-12**

**UC/CSU**

**Prerequisite: Art Studio with a “B” or better grade.** This course allows further exploration of many art mediums. The emphasis will be placed on the student’s ability to translate a medium into creative products. The course will also stress the importance of contemporary art and art history. This is a consecutive two term class.

## **ADVANCED PLACEMENT STUDIO ART**

**Recommended Grades 11-12**

**UC/CSU**

**Prerequisite: Completion of an advanced level art class with a “B” or better or teacher recommendation.** This is an opportunity for a very select group of serious art students to further their study and the explorations of art by engaging in a series of projects of an advanced nature that would qualify for advanced placement selection and/or honors credit.

## **ART - INDEPENDENT STUDY**

**Recommended Grades 11-12**

**Art Studio, Drawing & Painting, Ceramics**

**Prerequisite: Permission of Instructor.** This course is designed for students who have exhausted the curriculum offerings in their particular media. Students must display the ability and maturity to work independently on an advanced level. The outcome of this concentrated study should be a portfolio of work that indicates a growth and style beyond that which is possible in a structured class. The evaluation of the work produced will be on a one-to-one basis between the student and the instructor.

## **BEGINNING DRAWING AND PAINTING**

**Recommended Grades 9-12**

**UC/CSU**

**Prerequisite: None.** Beginning Drawing and Painting is based on the fact that good drawing is a function of the brain and not inherent drawing ability. Using knowledge about how the brain perceives visually, students are taught how to see *things as they are* which enables students to draw more accurately than traditional drawing methods. The class will work on shape, light and shadow, composition, perspective, and color. Since good painting is based on good drawing, most of the class will focus on drawing with color and painting coming later in the term.

## **ADVANCED DRAWING AND PAINTING 1**

**Recommended Grades 10-12**

**UC/CSU**

**Prerequisite: Beginning Drawing and Painting with a “B” or better or teacher recommendation.** This course is a studio class designed to further the skills in drawing and painting and continue training the student’s visual perception through observational drawing. Quality over quantity is the focus in this class.

## **ADVANCED DRAWING AND PAINTING 2**

**Recommended Grades 10-12**

**UC/CSU**

**Prerequisite: Advanced Drawing and Painting 1 with a “B” or better or teacher recommendation.** The majority of this class will involve painting. This class is a further extension of the knowledge and skills learn in the Advanced 1 class. Acrylic painting on canvas is the primary focus of this class.

## **BEGINNING CERAMICS**

**Recommended Grades 10-12**

*UC/CSU*

**Prerequisite: None. Art talent and prior knowledge is not required.** This course introduces and develops basic hand building and three-dimensional sculpting skills. The focus includes a pinch pot, pinch pot with lid, lidded slab box, large decorative coil pot, and realistic animal. Students will also learn basic kick wheel skills, knowledge of ceramic tools and uses, additive and subtractive sculpture, and proper glazing techniques.

## **ADVANCED CERAMICS 1**

**Recommended Grades 10-12**

*UC/CSU*

**Prerequisite: Beginning ceramics with a “B” or better or teacher recommendation.** This course further develops techniques and skills learned in beginning ceramics. For the strongly independent student, projects such as the “ocean” vessel, shoe, whistle, large decorative birdhouse, and faux tile box provide opportunities to develop a unique personal style. Beginning throwing skills taught to those interested.

## **ADVANCED CERAMICS 2**

**Recommended Grades 10-12**

*UC/CSU*

**Prerequisite: Permission of instructor.** An opportunity for the very talented, hardworking, and creative student. Students will further explore the use of glaze and continue to develop advanced sculpting skills through the realistic bag, figure, bookends, and two/three individual choice assignments. Throwing skills further developed.

## **DIGITAL PHOTOGRAPHY I**

**Recommended Grades 9-12**

*UC/CSU*

This course is designed for students who are exploring career technology concepts integrated with the Principals and Elements of design. Digital Photography explores computer and software technologies as well as photographic and artistic applications. This program offers our students a glimpse into different design fields through a contemporary medium and skill set. This course will also stress the importance of marketing and commercial knowledge. Students will be introduced to the photography in a manner that applies to both commercial and fine arts focuses.

## **ADVANCED DIGITAL PHOTOGRAPHY**

**Recommended Grades 10-12**

*UC/CSU*

**Prerequisite: Completion of Digital Photography I**

This advanced course deals with controlling computer technology to produce artistic marketing, branding and commercial imagery. Students will learn: Advanced computer illustration techniques, introduction to Wordpress website design, advanced image manipulation, advanced digital camera use, graphic design visual literacy, and principles and elements of art in composition.

## **DRAMA 1: FUNDAMENTALS OF DRAMA**

**Recommended Grades 9-12**

*UC/CSU*

**Prerequisite: None.** Offered as an elective and also fulfills fine arts requirement for graduation. Includes an introduction to acting, stage movement, voice production, and character development, as well as theater terminology.

## **ADVANCED DRAMA**

**Recommended Grades 10-12**

*UC/CSU*

**Prerequisite: Fundamentals of Drama 1 and by audition only or teacher approval.** Advanced Drama is only for the serious drama student who has a great interest in acting and directing. The course will focus on theater production and performance. Students will be exposed to several playwrights and their works and will work extensively on vocal production, stage movement and character development, scenes, monologues, and particular emphasis on set construction, publicity, and design the total aspects of producing a full play. Out of class rehearsal time is required. This is a performance class.

## **CONCERT CHOIR**

**Recommended Grades 9-12**

Concert Choir is designed for students interested in performing and learning to sing using breath support and vocal techniques. Choral literature is learned and performed. Emphasis is placed on voice production, tone quality, theory, sight reading music, written choral reviews and music research. Students are expected to participate in all concerts given throughout the year.

# AIR FORCE JUNIOR ROTC (AFJROTC)

## Grades 9-12

AFJROTC is an elective which can be taken each year in high school, but it is much more than just classroom learning. We offer an experience that is unique in high school and that will serve you well no matter what you choose to do in life. AFJROTC offers a full program with many fun and exciting outside school activities and each student can determine their own level of involvement. AFJROTC is sponsored by the Air Force, but there is absolutely no obligation to join any military service and only a few of our students do. All books, uniforms and equipment are provided free and uniforms are tailored at no cost to each student. Since students wear the actual Air Force Uniform one day each week, they do need to adhere to strict grooming standards. Our students take great pride in their uniform wear and we get many compliments on how sharp our cadets look.

In class students will study aviation history, the exploration of space, aviation science, and global and cultural awareness. They will become proficient in military customs and courtesies, flag etiquette, basic drill and ceremonies, personal finance, health and wellness sports activities. We also teach leadership, management and effective communication and teamwork in a military-type student-run organization. Outside of class, students are encouraged to participate in many fun outside activities such as field trips, parades, drill team competitions, sports competitions, orienteering and survival training, our formal military ball, awards night and several school and community service activities. Our teams are very competitive and usually win several trophies each year against other ROTC units. We have teams in softball, basketball, volleyball, ultimate Frisbee, and academic competitions. We do all digital photography, publish our own newspaper, maintain a JROTC website and create DVDs of all our activities. Our program is recognized as one of the best in the nation!

Students must complete a health-screening questionnaire to participate.

1st Year (Freshmen) - Elective Credit Term 1 & 2.

2nd Year (Sophomores) - General Elective Credit (Prerequisite: Successfully complete 1<sup>st</sup> year of AFJROTC)

3rd Year (Juniors) - General Elective Credit (Prerequisite: Successfully complete 2<sup>nd</sup> year of AFJROTC and be selected for a cadet staff position)

4th Year (Seniors) - General Elective Credit (Prerequisite: Successfully complete 3<sup>rd</sup> year of AFJROTC and be selected by the Senior Aerospace Instructor for an officer staff position—Seniors lead and manage the cadet corps.

There are many other advantages for enrolling in AFJROTC. All of our community service activities count toward the graduation requirement of 60 hours. AFJROTC offers full college scholarships for qualifying cadets and an opportunity to compete for an Air Force Academy Nomination. Should students join a military service after high school, they can enter at an advance rank depending on the number of years they were in AFJROTC. Finally, students will be with a high quality group of Casa Students committed to doing well in high school.

# AGRICULTURE

**UC/CSU** indicates the course meets the University of California and California State University **A-G** entrance requirements.

## **AGRICULTURE SCIENCE I (FARM TO FORK)**

**Recommended Grades 9-12**

**UC/CSU**

**Prerequisite: None.** Meets district Life Science graduation requirement. This course is an introduction to California Agriculture and the Agriculture Education program at Casa Roble. Topics will include: Beef, Sheep, Swine, Horse and Goat Production; Plant and Soil Science, The National FFA Organization; Supervised Agriculture Experience projects; Record Keeping skills and Leadership Development. Students will also receive an introduction to the concept of Farm to Fork through specific units and the use of the school farm laboratory and greenhouse.

## **AGRICULTURE SCIENCE II (FARM TO FORK)** *Agricultural Biology Recommended*

**Recommended Grades 10-12**

**UC/CSU**

**Prerequisites: Ag. Science I (May Be Concurrent)**

The course emphasizes detailed knowledge of the biological principles of the following areas: molecular and cellular aspects of living things, structure and function of agricultural plants and animals, genetics and evolution, anatomy and physiology, classification, ecology, and animal behavior. Students will also be exposed to the current trends and economics of food production, harvesting and processing methods and the career opportunities associated with the agriculture industry.

## **AGRICULTURAL MECHANICS 1**

**Recommended Grades 9-12**

**Prerequisites: None.** This course develops knowledge and skills in the broad field of Agricultural Mechanics and includes Shielded Metal Arc Welding, Oxygen/Acetylene Gas Welding, Metal Inert Gas Welding and Cutting techniques. Topics include: Shop Safety, Metal Forming, Fastening Metal, Rope Work, Plumbing, Concrete Techniques and Exploration of Careers.

## **FLORAL DESIGN**

**Recommended Grades 11-12**

**Prerequisites: None** This course is hands-on and encourages creativity through various activities. Students will have the opportunity to learn the history of floral design, the color wheel, corsages and boutonnieres, floral shop operations, floral materials, processing of floral crops, and the floral industry in California. In addition, an emphasis will be placed on edible flowers and arrangements. Student projects include: corsages and boutonnieres, bud vases, wedding designs, the history of floral design, and careers in floral design. Activities include seasonal arrangements, and operating helium balloon equipment.

# HEALTH

## HEALTH / LIFE MANAGEMENT

Recommended Grade 9

**Prerequisite: None.**

**HEALTH: (9 weeks)** Units of study include the six components of health, emotional and mental well-being, nutrition and fitness, substance abuse prevention, family life, and sexual education. Students will have access to knowledge and will have the opportunity to learn those skills which will enable them to practice good health habits for a lifetime. Students will learn the importance of consciously controlling their own behaviors, and good health decision making so that they may lead long and productive lives in our society. Passing health is a San Juan Unified School District graduation requirement.

**LIFE MANAGEMENT: (9 weeks)** This course engages students in an interactive learning process, helping them develop the knowledge, skills, and attitudes needed to successfully examine their own lives, explore and evaluate a wide range of education and career options, and make reasoned and researched goals for their future.

The teacher will facilitate an in-depth exploration of three fundamental questions:

1. Who am I?
2. What do I want?
3. How do I get it?

The course culminates with students developing an individualized, online, 10-year plan that motivates them to envision a self-sufficient, productive life beyond high school, college or post-secondary training.

# FOODS

## **FOODS I**

**Recommended Grades 9-12**

**Prerequisite: None.** Foods I is a basic course in nutrition, food selection and preparation. Students will learn the basics of how to cook, nutrition information on foods and personal wellness. In addition there will be labs that involve food preparation and tasting two or three times a week.



## **FOODS II**

**Recommended Grades 10-12**

**Prerequisite: Foods I with a passing grade of C or better.**

Foods II is an advanced course in food preparation and meal planning. Another aspect of the class is focused on Life-Cycle Nutrition and careers in the industry. A strong emphasis on Foods of the World is also included as is Regional Cookery of the U.S.A.



# INDUSTRIAL TECHNOLOGY



## Fine Woodworking I and II

*UC/CSU* indicates the course meets the University of California and California State University **A-G** entrance requirements.

### **FINE WOODWORKING I**

**Recommended Grades 9-12**

*UC/CSU*

**Prerequisite: None, Meets College Prep Elective “g” credit.**

In Fine Woodworking I, students will move from the most basic of woodworking techniques to the very advanced. They will create five projects that will take them on this journey from simple trace and cut to actual plan and cut-list creation of a cabinet. All the major woodworking machines will be used and a great deal of emphasis is placed on Safety. Examples of some of the tools and machines they will use are: Routers, Miter Saw, Table Saw, Planer, Jointer, Drills, and Nail and Staple guns. Some of the Fine Woodworking I projects are, a Wall Shelf, Step Stool, Clock, and a Nightstand.

### **FINE WOODWORKING II**

**Recommended Grades 10-12**

*UC/CSU*

**Prerequisite: "B" or better in Fine Woodworking I. Meets College Prep Elective “g” credit.**

**Fine Woodworking II may be taken as often as desired pending teacher approval.**

First time Cabinet and Furniture students are required to build an Adirondack Chair and one other challenging project of their choice. Students are encouraged to make their projects meaningful and as such are expected to customize their designs to fit their needs. The chair is a beautiful deck chair made from hardwood. It is used to re-familiarize the students with the more advanced woodworking techniques before they tackle their next project. Their final project must be challenging! Some past examples are Desks, Beds, Tables, and Chests. All the advanced cabinetry processes are covered, such as door and drawer creation, raised panel construction, and finishing processes. Safety is an integral part of the program.

## AUTOMOTIVE TECHNOLOGY



**UC/CSU** indicates the course meets the University of California and California State University **A-G** entrance requirements. **Casa Roble's Automotive Technology program is NATEF Certified and a member of AYES.**

### **INTRODUCTION TO AUTOMOTIVE TECHNOLOGY**

**Recommended Grades 10-12**

Introduction to Automotive Technology focuses on the automotive consumer that wants to save money by performing basic services on their own car or light truck, and for students considering the automotive industry as a career. This course is intended to provide students with the knowledge to make sound economic decisions and take preventative measures to enhance the overall satisfaction of being an automotive consumer. The class discussions and lab activities provide the fundamental knowledge and experience in buying, owning, and maintaining an automobile. Activities include, but are not limited to, changing engine oil and other fluids, servicing batteries, rotating tires, inspecting brakes, jump-starting a car, replacing lamps, replacing spark plugs, testing cooling systems, replacing air and fuel filters, and inspecting drive trains, suspension, and steering systems. This course is designed to provide you with the necessary environment and interactions to advance your knowledge and understanding in owning, maintaining, and repairing the automobile. The Introduction to Automotive Technology course is a prerequisite for ROP Auto 1.

### **ROP AUTOMOTIVE TECHNOLOGY 1 / Maintenance & Light Repair Certification**

**Recommended Grades 11-12**

**UC/CSU** Prerequisite: Introduction to Automotive Technology

The ROP Auto 1 course is designed for students considering the automotive industry as a career. It provides pre-employment training to students and teaches the necessary skills, knowledge, and abilities for entry-level employment in the automotive service industry. Upon successful completion, students will have sufficient background to diagnose and repair the various systems of the modern automobile, using up-to-date equipment and tools. The ROP Auto 1 course is a prerequisite to the ROP Auto 2 course and you must earn a B or better grade to continue. The ROP Auto 1 course may be taken multiple times by any student maintaining a C or better grade in previous classes.

### **ROP AUTOMOTIVE TECHNOLOGY 2 / Maintenance & Light Repair Certification**

**Recommended Grades 11-12**

**UC/CSU** Prerequisite: ROP Automotive Technology 1

**NOTE: This course includes an off-campus internship. Students must be 16 or older and have transportation and parent permission.**

This course is designed to further the student's knowledge of automotive service and repair while providing work experience in the automotive service industry. Through this program students will explore automotive service technician career fields from the perspective of an entry level employee. Each student will serve an internship at a local automotive repair facility four days a week, and have classroom study and skill building activities on campus one day per week. The program consists of content based on ASE standards. ROP Automotive Technology 2 may be taken multiple times. Successful completion of the automotive sequence prepares students for ASE Maintenance and Light Repair (MLR) certification.

The ROP Automotive Technology program will prepare students to take the ASE Maintenance and Light Repair (MLR) certification exam. Please visit <https://www.ase.com/Home.aspx>. The combination of ROP Auto 1 & 2 is articulated with American River and Sierra Colleges. College Units are earned with a B or better grade in both classes.



# AVID

**UC/CSU** indicates the course meets the University of California and California State University **A-G** entrance requirements.

## **AVID (Advanced Via Individual Determination)**

**Recommended Grades 9-12**

**UC/CSU**

**Prerequisite: Must have the desire and motivation to enroll into a four year college/university after high school. Students must go through recruiting process. AVID is an elective credit.**

### **Course Philosophy: AVID Mission Statement**

To ensure that all students, especially students in the middle with academic potential:

- Will succeed in a rigorous curriculum
- Will enter mainstream activities of the school
- Will increase their enrollment in four-year colleges, and
- Will become educated and responsible participants and leaders in a democratic society.

### **Normal Course Progression: AVID – Grades 9-12**

Successful completion of 3 years of AVID (can be a combination of AVID I, II, and/or III as AVID II and AVID III can be repeated for credit) and one year of AVID Senior Seminar.

1. AVID I (Grade 9: requires enrollment in Integrated Math I)
2. AVID II (Grade 10: requires enrollment in Integrated Math I or Integrated Math II)
3. AVID III (Grade 11: requires enrollment in Algebra 2 or higher)
4. AVID IV (Grade 12: requires 3 years previous enrollment in AVID) & enrollment in at least one advanced course.

### **Instructional Materials:**

The AVID High School Curriculum Library includes the Implementation Library, the Writing Library, the College and Careers Library, the Strategies for Success Library, the Site Team Library, and the Tutorial Library. All materials are designed for grades 9-12.

# S.C.O.R.E. HEALTH ACADEMY

(Student Career Opportunities with Relevant Experiences in Health)

**UC/CSU** indicates the course meets the University of California and California State University **A-G** entrance requirements.

## **CAREER EXPLORATION / HEALTH**

**Recommended Grade 9**

This freshman level course is open to potential S.C.O.R.E. Health Academy students only. Students must apply and be accepted into the program in order to enroll in the course. This course allows students to explore career options, particularly those related to the health industries. Students will examine career opportunities and pathways including college requirements. The course also allows students to practice transferable skills and character traits such as organization, leadership, and responsibility.

## **INTRODUCTION TO SPORTS MEDICINE**

**Recommended Grade 10**

**UC/CSU**

This sophomore level course is opened to S.C.O.R.E. Health Academy students only. This course is an introduction to Medical and Sports Medicine careers. It is designed for students who are interested in fields such as EMT, medical assistants, nursing, physician assistants, physicians, x-ray tech, athletic training, physical therapist assistant, physical therapy, kinesiology, nutrition, and other medical related fields. Throughout the course students will explore these various fields of study, with a focus on the basic information and skills important in the health industry regarding health care, prevention, and rehabilitation. The course includes class work and hands-on application. This is an A-G approved course.

## **INTRODUCTION TO SPORTS THERAPY & FITNESS TECHNICIAN**

**Recommended Grade 11**

**UC/CSU**

This is a junior level course designed for S.C.O.R.E. Health Academy to give students experience with a variety of health care professions. This course provides students with a hands-on approach to learning about careers, human development, diagnostic, therapeutic, and support services. This is an A-G approved course.

## **SPORTS THERAPY & FITNESS TECHNICIAN 2X2 ARTICULATION**

**(REQUIRED) Grade 12**

**UC/CSU**

This is an ROP course where students are placed on a job-site for training with hands on experience in the selected medical fields. Students will work as externs for hands-on-training, such as taking blood pressure, rooming patients, assisting with minor surgery, and/or front office duties. Students will be trained and receive first-aid and Medical Profession CPR certification. Students will receive high school elective credit and college credits from American River College. This is an A-G approved course.

*Upon graduation students will be eligible for the state certification as a medical assistant.*

## NON DEPARTMENTAL

### INSIDE WORK EXPERIENCE (IWE)

**Recommended Grades 11-12**

**Prerequisite: None.** Inside Work Experience is an alternative course offering for students who wish to gain work experience in such areas as teacher assistant, laboratory assistant, and/or as assistants in various offices. No more than a total of twenty units' credit is allowed to apply toward the units required for graduation.

### CAREER TECHNICAL EDUCATION (C.T.E.)

**Recommended Grades 11-12**

#### **TRANSPORTATION REQUIRED FOR ALL OFF-CAMPUS PROGRAMS.**

CTE provides tuition-free job training, career guidance and worksite placement to area high school juniors and seniors. SJUSD sponsored CTE programs include Computer & Business Technology and Law Enforcement at Del Campo High School, Medical Assisting and Automotive Technology at Casa Roble High School, Bakery Academy, Television Occupation, and Construction Technology at San Juan High School, and Dental Assisting at Encina High School. Students acquire "real-work" experience through course work and internships that take place in off-site classrooms and within the business community. Please note that most programs require students to schedule two periods per day of CTE all year; earning 30 to 40 elective credits.

Year-long (fall and spring term) CTE programs restricted to **seniors only** include: Law Enforcement at Del Campo High School, Medical Assistant at Casa Roble High School, Bakery Academy at San Juan High School, and Dental Assisting at Encina High School.

Students interested in taking CTE should see their counselor and follow school site enrollment protocol, which includes requesting to take the class via "Q" during Fall Enrollment Registration and completing a CTE application. CTE applications can be obtained and returned to the Counseling Office. For questions about the CTE Program, please contact Mrs. Barnard, Casa Roble's CTE Coordinator at (916) 971-5122.

### CAREER TECHNICAL EDUCATION – 2+2 Articulation

**Recommended Grade 12**

This is a CTE course where students get job site training and hands on experience in the selected medical fields. Students will work as externs to receive various training, such as taking blood pressure, rooming patients, assisting with minor surgery and/or front office duties such as scheduling appointments. Medical Assisting opportunities include, but are not limited to: medical assistant, medical administration and medical receptionist. Students will receive first-aid and Medical Professional CPR certification. Students will receive high school elective credit and college credits with American River College. This class is only open to Casa students.

### COMMUNITY SERVICE

**(REQUIRED) Grades 9-12**

**Prerequisite: None.** Community Service is repeatable for elective credit. Volunteer youth community service is a school-based community service program which allows students the opportunity to demonstrate their ability to contribute by participating in activities such as tutoring, peer counseling, providing companionship to the elderly, volunteering their services in hospitals and charitable agencies, beautifying their surroundings, improving the environment, participating in the electoral process, assisting at food banks and homeless shelters, working with social service agencies and other philanthropic organization. The major focus of community service is to encourage students to act on the knowledge they gain in school in order to benefit and enrich the lives of those around them. Community service provides opportunities for students to learn to break patterns of self-absorption, to develop and enlarge their powers of observation, their sense of compassion, and of their self-reliance, and to acquire a lifetime habit of seeking ways of contributing to their communities. Students may choose to fulfill the Community Service requirement by either: 1) taking a class and fulfilling 10 credits or 2) fulfilling 60 hours of acceptable pre-approved service outside the school day.

*"Casa Roble Fundamental High School does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities". The following person has been designated to handle inquiries regarding the non-discrimination policies:*

*Michele Lorenzo, Principal*

*9151 Oak Avenue, Orangevale, CA 95662*

*(916) 971-5452*

# **SPECIAL EDUCATION**

STUDENTS WITH IDENTIFIED LEARNING DISABILITIES OR SPECIAL NEEDS

DEVELOP SKILLS WHICH PROMOTE SUCCESS

ACADEMICALLY, EMOTIONALLY, SOCIALLY AND PROFESSIONALLY

At Casa Roble three Special Education programs are available. Most learning disabilities are discovered in grade school. After extensive testing, if learning disabilities are evident, the student is found eligible for placement and support in either the Resource Specialist Program or the Special Day Class. The least restrictive environment, the Resource Specialist Program is usually recommended. If the student needs more support, the Special Day Class program offers modified curriculum in most courses required for graduation. These two Special Education programs are also available to students who have physical disabilities or other health related challenges. The third available program is designed for emotionally disturbed students. Once again, only with thorough investigation, are students deemed eligible for this program. With the support of daily counseling, most of these students can be very successful both emotionally and academically in the mainstream.