JURUPA UNIFIED SCHOOL DISTRICT
4850 Pedley Road
Jurupa Valley, California 92509
(951) 360-4100

BOARD OF EDUCATION
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SUPERINTENDENT OF SCHOOLS
Elliott Duchon

JURUPA VALLEY HIGH SCHOOL
10551 Bellegrave Avenue
Jurupa Valley, California 91752
Phone: (951) 360-2600
Kimberly Corbin, Principal

NUEVA VISTA HIGH SCHOOL
6836 34th Street
Jurupa Valley, California 92509
Phone: (951) 360-2802
Michelle Markham, Principal

PATRIOT HIGH SCHOOL
4355 Camino Real
Jurupa Valley, California 92509
Phone: (951) 361-6500
Roberta Pace, Principal

RIVERCREST PREPARATORY HIGH SCHOOL
10551 Bellegrave Avenue
Jurupa Valley, California 91752
Phone: (951) 360-2660
Jenna Saugstad, Principal

RUBIDOUX HIGH SCHOOL
4250 Opal Street
Jurupa Valley, California 92509
Phone: (951) 222-7720
Jose Araux, Principal
Dear Students, Parents, and Guardians:

We are proud to present the Jurupa Unified School District High School Course Guide for the 2016-2017 school year. The High School Course Guide provides graduation requirements, college and career information, and standards-based course descriptions.

Jurupa Unified is striving to provide students the best possible education. Indeed, the motto of Education Services is, to educate each student to the highest levels of academic achievement and prepare students to succeed in life. Every student is provided the opportunity and support for academic success by talented and caring staff members.

All courses offered in this guide have been subjected to a rigorous review by District teachers for alignment with State and local academic standards. This attention to course content and skills ensures that our students will be prepared to successfully compete for post-secondary opportunities in education and employment.

We encourage you to take time to review the course descriptions in this guide so that course selections support the achievement of academic and career goals. We wish you success and a rewarding high school experience!

Sincerely,

Elliott Duchon
Superintendent

Dave Doubravsky
Assistant Superintendent
Education Services

Our Children, Our Schools, Our Future!
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<th>CSU Requirements</th>
<th>UC Requirements</th>
<th>NCAA Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>40 credits 4 years</td>
<td>4 years</td>
<td>4 years</td>
<td>4 years</td>
</tr>
<tr>
<td>World History</td>
<td>10 credits 1 year</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>US History</td>
<td>10 credits 1 year</td>
<td>2 years</td>
<td>2 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Government</td>
<td>5 credits 1 semester</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>5 credits 1 semester</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>20 / 30 credits ** 2 / 3 years **</td>
<td>3 years including: Algebra I/Math I, Geometry, and Algebra II 4 years recommended</td>
<td>3 years: Algebra I/Math I or higher</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>20 credits 2 years (must take at least 1 physical and 1 life Sci)</td>
<td>2 years lab science (Must take at least 1 physical and 1 life Sci)</td>
<td>2 years required 3 years recommended Biology, Chemistry, Physics</td>
<td>2 years (1 year lab)</td>
</tr>
<tr>
<td>Healthy Living</td>
<td>5 credits 1 semester</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>20 credits 2 years</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual/Performing Arts</td>
<td>10 credits 1 year</td>
<td>1 year</td>
<td>1 year</td>
<td></td>
</tr>
<tr>
<td>Fine Arts/Foreign Language</td>
<td>2 years of the same language</td>
<td>2 years required 3 recommended</td>
<td></td>
<td>4 years Additional Core Courses (Eng., Math, Sci or World Lang.)</td>
</tr>
<tr>
<td>Vocational Arts</td>
<td>5 credits 1 semester</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>60 credits</td>
<td>Adv. Math, Foreign Language, Lab Science, etc.</td>
<td>1 year required from History, English, World Lang., Adv. Math, etc.</td>
<td>1 year additional courses (Eng., Math, or Sci)</td>
</tr>
</tbody>
</table>

** THE 3 YEAR MATHEMATICS REQUIREMENT APPLIES FOR 2019 GRADUATES AND BEYOND. **
English – 40 credits required (including Honors or AP English)

Mathematics – 30 credits required (including Algebra I/Math I and Algebra II, Geometry, and more advanced college preparation math courses.

Healthy Living is a required course (beginning with the class of 2007).

**Students must pass Algebra I/Math I in order to meet graduation requirements.**

### Credits Required for Graduates

<table>
<thead>
<tr>
<th>Core Credits</th>
<th>Elective Credits</th>
<th>Total Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>60</td>
<td>220</td>
</tr>
</tbody>
</table>

### Class Status

Credits that must be earned to advance to each class level:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0-50</td>
</tr>
<tr>
<td>Sophomore</td>
<td>50-100</td>
</tr>
<tr>
<td>Junior</td>
<td>100-155</td>
</tr>
<tr>
<td>Senior</td>
<td>155-220</td>
</tr>
</tbody>
</table>

### Additional Information

- Maximum of 10 credits for Teacher Aide Program (TA), and is current on credits; maximum of 5 credits per semester. Open to juniors and seniors only.
- Maximum of 40 credits for Work Experience
- No maximum on credits from accredited colleges and universities (prior approval required)
- Maximum of 10 credits of Physical Education per semester
- Maximum of 20 credits for courses challenged (tests will be regulated and administered by the appropriate department).
- All 9th grade students are required to take physical education, marching band, ROTC, or horsemanship.
- All students who did not pass the 9th grade Physical Fitness Test must take a PE class.
Admission Requirements for Further Education

Students should plan for the future early in their high school careers. They may need to gear their selection of courses to match the requirements of the post-secondary educational opportunity they plan to pursue. Some options are listed below. Private colleges vary in their admission requirements. Please consult the Admissions Office at any school not represented in the list below.

**Vocational and Trade Schools**

The requirements for vocational and trade schools vary. Students may secure specific requirements from their Guidance Coordinator or from the staff in the campus Career Center.

**Community Colleges (Two-Year Junior Colleges)**  [http://www.californiacommunitycolleges.cccco.edu/](http://www.californiacommunitycolleges.cccco.edu/)

1. Any graduate of an accredited high school, any person 18 years of age or older, or any student who has passed the California High School Proficiency Examination is eligible. Any high school student, with special permission of both the high school and the college, may enroll for college credit. High school credit for college courses must be pre-approved by the high school Guidance Coordinator and a high school administrator.

2. All entering students are required to take placement tests in English and math for the purpose of registering in the appropriate level of college courses. No student is denied admission on the basis of test results.

**University of California /California State Universities "A-G" List**  [www.universityofcalifornia.edu/admissions](http://www.universityofcalifornia.edu/admissions)

The University of California "a-g" list is the set of course requirements all students must complete to be eligible for acceptance into any University of California or California State University. This required set of courses is considered serious and rigorous enough academically to prepare students for admission to any college. However, students must still compete for entrance into universities and colleges with other well-prepared students. Admission Offices look at courses taken, grades earned, and other considerations such as test scores, participation in extracurricular and volunteer activities, both at school and in the community.

A "unit" is defined by the University of California system as a one-year high school course. To be eligible for admission to the University of California, students must have taken a minimum of sixteen high school units, to be taken during grades 9-12. At least fifteen of these must be academic or college preparatory units and at least seven of those fifteen must be taken during the last two years of high school. Academic or college preparatory units include courses in English, mathematics, laboratory science, foreign language, history, social science, and fine arts. All high school students planning to attend the University of California must apply during November of their senior year. Students applying to any CSU campus need to apply during the initial filing period of October 1 through November 30.

UC/CSU “A-G” lists change annually. For the most current information, go to website: [hs-articulation.ucop.edu](http://www.ucop.edu/agguide/a-g-requirements/)
a. **History (20 Credits/2 Years):**

One year of world cultures, world history, or geography; one year of U.S. History or U.S. Government.

b. **English (40 Credits/4 Years):**

Four years of English courses that require frequent and regular practice in writing expository prose compositions of some length.

c. **Mathematics (30 Credits/3 Years):**

Algebra I, Geometry, Algebra II (a fourth year is highly recommended).

d. **Laboratory Science (20 Credits/2 Years):**

Minimum of two separate full-year courses such as biology, chemistry or physics, or any other approved lab science course (3 years recommended).

e. **Foreign Language (20 Credits/2 Years same language):**

Two separate full-year courses focusing on grammar, vocabulary, reading, composition, and the development of listening and speaking skills (3 years recommended).

f. **Visual/Performing Arts Requirement (10 Credits/1 Year):**

Must be a year of course work in visual or performing arts (must be a year-long course).

g. **College Preparatory Electives (10 Credits/1 year):**

One additional year to be chosen from the following: English, history, advanced mathematics, laboratory science, foreign language, social science, or fine arts. In general, elective courses should involve considerable reading and should aim to develop the student's analytical reasoning ability and skill with written and oral expression.

**NCAA Eligibility**

Student athletes who want to be considered for athletic scholarships to a Division I or Division II school must meet minimum eligibility requirements. All athletes and their parents should visit the Eligibility Center website at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net) or call them at 877-262-1492 for full details on these requirements. On this same websites, students and parents can review the list of approved courses for each high school.

**Core Classes**

- NCAA Division I and Division II schools require 16 core classes be completed in high school (see next page)
NCAA Division I Initial Eligibility Requirements

Core Courses: (16)
- Initial full-time collegiate enrollment before August 1, 2016:
  - Sixteen (16) core courses are required (see chart below for subject-area requirements).
- Initial full-time collegiate enrollment on or after August 1, 2016:
  - Sixteen (16) core courses are required (see chart below for subject-area requirements).
  - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
  - These courses/grades are “locked in” at start of the seventh semester (cannot be repeated for grade-point average (GPA) improvement to meet initial-eligibility requirements for competition).
  - Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).

Test Scores: (ACT/SAT)
- Students must present a corresponding test score and core-course GPA on the sliding scale (see NCAA website for further information)
  - SAT: critical reading and math sections.
  - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
  - ACT: English, math, reading and science sections.
  - Best subscore from each section is used to determine the ACT sum score for initial eligibility.
- All ACT and SAT attempts before initial full-time collegiate enrollment may be used for initial eligibility.
- Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.

Core Grade-Point Average:
- Only core courses that appear on the high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- Initial full-time collegiate enrollment before August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see NCAA website for further information)
  - Core-course GPA is calculated using the best 16 core courses that meet subject-area requirements.
- Initial full-time collegiate enrollment on or after August 1, 2016:
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (See NCAA website for further information.
  - Core-course GPA is calculated using the best 16 core courses that meet both progression (10 before seventh semester; seven in English, math or science; “locked in”) and subject-area requirements.

<table>
<thead>
<tr>
<th>DIVISION I Core-Course Requirement (16)</th>
<th>DIVISION I – 2016 Qualifier Requirements *Athletics aid, practice, and competition</th>
<th>DIVISION I – 2016 Academic Redshirt-Requirements *Athletics aid and practice (no competition)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 years of English</td>
<td>16 core courses</td>
<td>16 core courses</td>
</tr>
<tr>
<td>3 years of math (Algebra I or higher)</td>
<td>Ten (10 core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science. &quot;Locked in&quot; for core-course GPA calculation. Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B</td>
<td>No grades/credits &quot;locked in&quot; (repeated courses after the seventh semester begins may be used for initial eligibility). Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B</td>
</tr>
<tr>
<td>2 years of natural/physical science</td>
<td></td>
<td>Graduate from high school.</td>
</tr>
<tr>
<td>(1 year of lab if offered)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 year of additional English, math or natural/physical science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 years of social science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 years of additional courses (any area above, foreign language or comparative religion/philosophy)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Graduate from high school.
NCAA Division II Initial-Eligibility Requirements

Core Courses

- Division II currently requires 16 core courses. See the chart below.
- Beginning August 1, 2018, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores

- Division II currently requires a minimum SAT score of 820 or an ACT sum score of 68. Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements can be found on the NCAA website.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

Grade-Point Average

- Be sure to look at your high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org). Only courses that appear on your school’s approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current Division II core GPA requirement is a minimum of 2.000. Division II core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test-score requirements are listed on the Sliding Scale that can be found on the NCAA website).
- The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale that can be found on the NCAA website).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

<table>
<thead>
<tr>
<th>DIVISION II</th>
<th>16 Core Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 years of English.</td>
<td></td>
</tr>
<tr>
<td>2 years of mathematics (Algebra I or higher)</td>
<td></td>
</tr>
<tr>
<td>2 years of natural/physical science (1 year of lab if offered by school)</td>
<td></td>
</tr>
<tr>
<td>4 years of additional English, mathematics or natural/physical science.</td>
<td></td>
</tr>
<tr>
<td>2 years of social science</td>
<td></td>
</tr>
<tr>
<td>5 years of additional courses (from any area above, foreign language or comparative religion/philosophy)</td>
<td></td>
</tr>
</tbody>
</table>
IMPORTANT INFORMATION

Enrollment in Courses

Students in grades 9, 10, and 11 must enroll in and attend six classes. Students in grade 12 must enroll and attend five classes. Students who take off-campus ROP classes or classes at a local college or work experience still must take a minimum of four classes. Availability of courses is determined by student interest and teacher availability.

Schedule Changes: Adding/Dropping Classes

- When an error has been made in their schedule, students may either add or drop a course following consultation with their Guidance Coordinator.
- Schedule changes to drop requested courses will not be made once the student has been scheduled, unless the student did not meet the prerequisites.
- Approved student-requested course changes will be handled prior to the third week of the semester.
- While students choose the courses they wish to take, teachers and period assignments are made randomly by computer. **Schedule changes for period or teacher preferences will not be made.**
- Students who want to drop a required subject may do so only with written approval from parent or guardian, Guidance Coordinator, and teacher, with final approval of Administration.
- Withdrawal deadline is the end of the third week of the semester. Students who drop a course after the third week will receive an automatic "F" for the semester.
- Students who stop attending a course without officially dropping the course will receive an "F" for the semester.

Credit by Examination: Challenging Classes

- Students who believe they are knowledgeable about a course may challenge it by petitioning to take an examination following the conditions and procedures outlined below (credit by exam may be granted only for courses listed in the **High School Course Guide**).

  A student may not receive credit by examination in courses which:
  - Duplicate courses already taken
  - Are more elementary than courses in which credit has been previously earned
  - Student has failed during regular or summer school
  - Are honors or Advanced Placement courses

- Courses may be challenged only during the first week of the fall or spring semesters, unless later date is approved by the principal.
- The student, in consultation with his/her Guidance Coordinator, must initiate a petition requesting permission to challenge a course.
- Examinations will be constructed and administered by the department concerned.
- A student is allowed only one opportunity to qualify for credit by exam in any given course.
- A student who petitions for credit by exam will receive the grade that he/she earns on the exam. The result of such examinations will be entered on the student's permanent record in the same manner as for regular courses.
- Further placement in advanced classes is dependent upon department guidelines.

Repeating a Course

Students who wish to repeat any course to improve their grade may do so with teacher, parent, and Guidance Coordinator approval. However, additional course credit will not be granted for a repeated course. **When evaluating high school transcripts, the University of California will count only the highest grade earned in an "a-g" course.** The grades of all courses, including repeated courses, will be averaged.
to determine a student's class ranking (University of California will not accept a repeat of a "C" grade). Some advanced courses in special areas may be repeated for credit. These courses are designated in this catalogue. Students who have received a "D" or "F" grade in certain “a-g” courses may validate those grades.

For more information on specific UC guidelines, please visit the following website: http://admissions.universityofcalifornia.edu/counselors/q-and-a/repeating/index.html

**Alternatives to High School Course Work and/or Diploma**

- Students who are 18 years or older may transfer to the Adult Education Program. Please contact the Learning Center at 951-222-7739 for information.
- Students who are 16 years of age or older may request a transfer to Nueva Vista High School. Students must be recommended to, and accepted by, the screening committee to transfer. **Please note:** Graduation requirements at Nueva Vista are different from those at the comprehensive high schools and do not meet UC a-g requirements.
- Students who are 18 years old may attend Riverside Community College.
- General Equivalency Diploma testing is available through the Adult Education Program.
- Students who are 16 years old may earn the legal equivalent of a high school diploma by passing the California High School Proficiency Exam (CHSPE) which is given twice a year. A fee is charged for the exam. Please see a Guidance Coordinator for information and an application.
- Students in good academic standing may take classes at a local college (RCC or UCR). They must FIRST see their Guidance Coordinator to make special arrangements.
- Any student who wants to transfer to Nueva Vista High School in order to make up credits should see his/her Guidance Coordinator.

**Career Center**

The Career Center offers information on careers and required courses to enter careers straight out of high school or after attendance in post-secondary education. The staff provides assistance in college searches, applications and financial aid.

**Grade Point Averages and Class Ranking**

Students are encouraged to take an academically-rigorous educational path in order to prepare for powerful post-secondary options after high school graduation. Grade point averages for class standing are calculated on the grades for seven semesters. The last semester grades of the senior year are not available before graduation. University of California approved honors and advanced placement classes count an extra grade point for A (5 points), B (4 points), and C (3 points).
ADVANCED PLACEMENT

Summary of Courses

Fine Arts:
- AP Art History
- AP Studio Art

Foreign Language:
- AP French Language and Culture (French IV)
- AP Spanish Language and Culture (Spanish IV)
- AP Spanish Literature and Culture (Spanish V)

Language Arts:
- AP English Language and Composition
- AP English Literature and Composition

Math:
- AP Calculus AB
- AP Calculus BC
- AP Statistics

Performing Arts:
- AP Music Theory

Science:
- AP Biology
- AP Chemistry
- AP Computer Science Principles
- AP Environmental Science
- AP Physics I
- AP Physics II

Social Studies:
- AP European History
- AP Government & Politics: United States
- AP Human Geography
- AP Psychology
- AP United States History
- AP World History

Availability of AP courses is determined by student interest and staff availability.
FINE ARTS

ADVANCED PLACEMENT ART HISTORY

Grades: 11-12  
Year  
10 Credits

**Prerequisite:** A grade of "B" or better in World History or teacher approval and commitment to prepare for and take AP Exam. AP contract on file.

This History of Art survey class is designed to expose students to an understanding of works of art and the times in which they were created. Students will develop the ability to discuss and write about works of art. They will become acquainted with major forms of artistic expression in our time as well as from other times and cultures. This course will be taught in two semesters. The first semester will cover Antiquity to the Middle Ages. The second semester will cover 1400 to present. Students may obtain college credit with a passing score on the Advanced Placement examination in May. Course includes 1-2 field trips.

*Meets the Fine Arts Graduation Requirement*
*Meets the UC/CSU “f” or “g” Requirement*
*Approved by College Board Audit*

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ADVANCED PLACEMENT STUDIO ART

Grades: 11-12  
Year  
10 Credits

**Prerequisite:** Completion of an advanced art course with a grade of “C” or better and commitment to outside work to fulfill the portfolio requirement. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

AP Studio Art is a rigorous, college-level course that stresses quality of student work, concentration on a particular visual interest or problem, as well as breadth of experience in the formal, technical, and expressive means of the artist. Students are required to complete approximately 24 works of quality for their AP portfolio.

*Meets the Fine Arts Graduation Requirement*
*Meets the UC/CSU “f” or “g” Requirement*
*Approved by College Board Audit*
**FOREIGN LANGUAGE**

**ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE**
*(FRENCH IV)*

<table>
<thead>
<tr>
<th>Grades: 11-12</th>
<th>10 Credits</th>
<th>Year</th>
</tr>
</thead>
</table>

**Prerequisite:** Completion of French II or French III with a grade of "C" or better or a passing score on the Foreign Language placement test. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Students will be required to gain continuing fluency in the basic skills acquired in the first three levels of the French language. The course will present an integrated study of verb formations, vocabulary extension and idioms to enable the student to acquire a total spectrum of French. Students will learn to blend basic survival language patterns with more complex structures geared to more sophisticated language situations. French cultural values and patterns of behavior and language will form a significant part of the linguistic material. Diverse readings from Francophonic countries will help to liberate students from their single-culture limitations. Emphasis will be placed on historical and geographic backgrounds of a wide variety of French speaking areas leading to specific linguistic patterns. A study of French grammar will continue in more detail. The subjunctive mood, so much a part of the French language, will be studied in detail along with its juxtaposition to the indicative mood studied in levels I, II, and III.

*Meets Fine Arts/Foreign Language Graduation Requirement*
*Meets the UC/CSU “e” or “g” Requirement*
*Approved by College Board Audit*
ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE
(Spanish IV)

Grades: 9-10 10 Credits Year

Prerequisite: Completion of Spanish II, Spanish III, Spanish Speakers III or pre-AP Spanish with a grade of "C" or better, or a passing score on the Foreign Language placement test. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

The AP Spanish Language and Culture course is a rigorous course taught exclusively in Spanish that requires students to improve their proficiency across the three modes of communication. The course focuses on the integration of authentic resources including online print, audio, and audiovisual resources, as well as traditional print resources that include literature, essays, and magazine and newspaper articles with the goal of providing a rich, diverse learning experience. Students communicate using rich advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level. The course is divided into thematic units which are further based on recommended contexts and guided by essential questions. Corresponding cultural elements are integrated into the study of the units, and activities are directed with those cultural connections in mind. Discussion of the topics completely in Spanish is a requirement for this course. It is assumed that students have previously been exposed to advanced language structures in the courses leading up to the AP Spanish Language and Culture course.

Meets Fine Arts/Foreign Language Graduation Requirement
Meets the UC/CSU "e" or "g" Requirement
Approved by College Board Audit

ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE
(Spanish V)

Grades: 10-12 10 Credits Year

Prerequisite: Completion of Spanish IV with a grade of "C" or better, or teacher's approval. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Students will study selected works from literatures of Spain and Spanish America. They will read and analyze literature orally and in writing in Spanish. Students will gain competency in understanding a lecture in Spanish and will participate actively in discussions on literary topics. They will read literary texts in all genres of Spanish and critically analyze the form and content of literary works including poetry. This course emphasizes those skills necessary to prepare for the Advanced Placement Spanish Literature Test.

Meets the Fine Arts/Foreign Language Requirement
Meets the UC/CSU "e" or "g" Requirement
Approved by College Board Audit
LANGUAGE ARTS
ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

Grade: 11  10 Credits  Year

Prerequisite: Grade of “C” or better in Pre-AP or Honors English 10 or a grade of “B” or better in English 10. Student commitment to prepare for and take the Advanced Placement Exam. Summer work may be required. AP contract on file. Must have passed CAHSEE in Language Arts.

This course is designed to challenge college-bound students who have demonstrated verbal proficiency and critical thinking skills to reach their highest potential. The course seeks to train students to become skilled readers of prose from various periods, disciplines, and rhetorical contexts with an emphasis on American writers. This course should also give students the practice and helpful criticism necessary to become flexible writers who can compose in a variety of modes (narrative, exploratory, expository, argumentative) and on a variety of subjects from personal experiences to public policies, from imaginative literature to popular culture. Both their reading and writing will make them aware of the interactions between author, audience, subject, purpose and how these are affected by stylistic concerns such as syntax, organization, diction, and tone. The writing assignments in this course should contribute to making the students mature writers able to write competently across the college curriculum with an emphasis on expository, analytical, and argumentative essays.

Meets English Graduation Requirement
Meets the UC/CSU “b” Requirement
Approved by College Board Audit

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

Grade: 12  10 Credits  Year

Prerequisite: Successful completion of AP Language or a grade of “B” or better in English 11. May require summer work. Commitment to prepare for and take the Advanced Placement exam. AP Contract on file.

In the Advanced Placement course in English Literature and Composition, students are involved in both the style and practice of writing and the study of literature. They will learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies through speaking, listening, and reading, but chiefly through the experience of their language: connotation, metaphor, irony, syntax, and tone. Writing assignments will focus on the critical analysis of literature and will include essays in exposition and argument, personal narrative and the writing of stories, poems or plays. Although much of the writing in the course will be about literature, spelling and writing about different subjects will further develop the students’ sense of how style, subject, and audience are related. The desired goals are the honest and effective use of language and the organization of ideas in a clear, coherent, and persuasive way.

Meets English Graduation Requirement
Meets the UC/CSU “b” Requirement
Approved by College Board Audit
# MATH

## ADVANCED PLACEMENT CALCULUS AB

**Grade:** 11-12  
**Credits:** 10  
**Year:**

**Prerequisite:** Grade "B" or better in Pre-Calculus. Commitment to prepare for and take the Advanced Placement exam. AP Contract on file.

This course consists of work that is comparable to calculus courses in colleges and universities. Calculus is a group of mathematical concepts and techniques widely used in technical fields and increasingly in business and economics to solve problems. Most colleges and universities offer a sequence of several courses in calculus. They often utilize entering students’ scores on the Advanced Placement Calculus Exam given in May to decide each student's starting point in that sequence of courses.

- Meets Mathematics Graduation Requirement
- Meets the UC/CSU “c” or “g” Requirement
- Approved by College Board Audit

## ADVANCED PLACEMENT CALCULUS BC

**Grade:** 11-12  
**Credits:** 10  
**Year:**

**Prerequisite:** AB Calculus with "C" or better or Honors Pre-Calculus with a "C" or better. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

This course covers the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Calculus BC is designed to qualify the student for placement and credit in a college course beyond that granted for Calculus AB.

- Meets Mathematics Graduation Requirement
- Meets the UC/CSU “c” or “g” Requirement
- Approved by College Board Audit

## ADVANCED PLACEMENT STATISTICS

**Grade:** 10-12  
**Credits:** 10  
**Year:**

**Prerequisite:** Grade “B” or better in Algebra II. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

This course will prepare students for the Advanced Placement (AP) Statistics Exam. Students will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. It is the equivalent of a one semester, introductory, non-calculus based, college course in statistics.

- Meets the Mathematics Graduation Requirement
- Meets the UC/CSU “c” or “g” Requirement
- Approved by College Board Audit
PERFORMING ARTS

ADVANCED PLACEMENT MUSIC THEORY

Grades: 11-12 10 Credits Year

Prerequisite: Commitment to prepare for and take Advanced Placement exam. AP contract on file.

The development of aural skills is a primary objective of the Advanced Placement Music Theory course. Throughout the course, students will listen to musical works attentively and analytically, developing their musical memory and their ability to articulate responses to formal, stylistic, and aesthetic qualities of the works. Performance, using singing, keyboard, and students' primary performance media will also be a part of the learning process.

Meets the Fine Arts Graduation Requirement
Meets the UC/CSU “f” or “g” Requirement
Approved by College Board Audit

SCIENCE

ADVANCED PLACEMENT BIOLOGY

Grades: 10-12 10 Credits Year

Prerequisite: Recommended successful completion of Biology and Chemistry and the completion of Algebra I with a grade of “B” or better. Commitment to prepare for and take the Advanced Placement Exam. AP contract on file.

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course. It is designed to be taken by students after successful completion of a first course in high school biology and one in high school chemistry as well. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

Meets the Life Science Graduation Requirement
Meets the UC/CSU “d” or “g” Requirement
Approved by College Board Audit
ADVANCED PLACEMENT CHEMISTRY

Grades: 11-12  10 Credits  Year

Prerequisite: Successful completion of Chemistry and Algebra I and concurrent enrollment or completion of Algebra II. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Advanced Placement Chemistry provides students with the opportunity to acquire the knowledge and skills necessary to take and to pass the AP Chemistry test administered in May. It is the equivalent of a general chemistry course usually taken during the first year of college. Students must have strong analytical and mathematical skills for success in this course. A primary goal of the course is for students to attain a depth of understanding of fundamental concepts and to be competent in dealing with general chemistry problems. Students develop the knowledge and skills identified in District standards for this course.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU "d" or "g" Requirement
Approved by College Board Audit

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

Grade: 10-12  10 Credits  Year

Prerequisite: Successful completion of Algebra I/Math I with a “C” or better.

This course introduces students to the central ideas of computing, presenting the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The course develops computational thinking skills, finding solutions to open ended problems, and engages students in the creative aspects of the field. The course has a unique focus on allowing students to be creative. Students are encouraged to apply creative processes when developing solutions and to think creatively while using simulations to explore questions that interest them. The course focuses on using technology and programming to design and implement innovative solutions using a process similar to what artists, writers, and engineers use to bring ideas to life.

Meets the Elective Graduation Requirement
ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

Grades: 10-12

10 Credits

Year

Prerequisite: Recommended “B” or better in College Prep Math. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

The Advanced Placement Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of natural work, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. This course is an interdisciplinary science course combining geology, biology, environmental studies, environmental science, chemistry and geography.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” or “g” Requirement
Approved by College Board Audit

ADVANCED PLACEMENT PHYSICS I

Grade: 10-12

10 Credits

Year

Prerequisite: Successful completion of Geometry with a “B” or better and have completed or are concurrently enrolled in Algebra 2.

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion): work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” Requirement
Meets the NCAA Requirement
ADVANCED PLACEMENT PHYSICS II

Grade: 10 10 Credits  Year

**Prerequisite:** Successful completion of AP Physics 1 or equivalent and have completed or are concurrently enrolled in a college-prep mathematics course (i.e. Pre-Calculus of higher)

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

*Meets the Physical Science Graduation Requirement*
*Meets the UC/CSU “d” Requirement*
*Meets the NCAA Requirement*

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SOCIAL STUDIES

ADVANCED PLACEMENT EUROPEAN HISTORY

Grade: 10-12 10 Credits  Year

**Prerequisite:** Successful completion of English 9 with an “A or B”, teacher recommendation, and signed AP contract.

This course focuses on developing students’ abilities to think conceptually about European history from approximately 1450 to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance—interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, and individual and society—provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.

*Meets the World History Graduation Requirement*
*Meets the UC/CSU “a” Requirement*
*Meets the NCAA Requirement*
ADVANCED PLACEMENT GOVERNMENT AND POLITICS: UNITED STATES

Grade: 12

10 Credits

Year

Prerequisite: Grade of “B” or better in US History. Student commitment to summer reading assignments and to greater depth and acceleration in the study of this subject. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

This course examines the organization and function of national, state, and local government in the United States. Emphasis is placed on the citizen’s relationship to each level of government. Political philosophies are comparatively analyzed. This course will make demands upon the student equivalent to those made in a college level political science course. Students are expected to take the Advanced Placement Exam administered in May. Students develop the knowledge and skills identified in State standards for this course.

Meets the Government Graduation Requirement
Meets the UC/CSU “a” or “g” Requirement
Approved by College Board Audit

ADVANCED PLACEMENT HUMAN GEOGRAPHY

Grades: 9-12

10 Credits

Year

Prerequisite: 9th & 10th Grade: End of year grade of “B” or higher in ELA for two consecutive years.
11th & 12th Grade: End of year grade of “B” or higher in History and ELA.

AP Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

Meets the Social Science Graduation Requirement
Meets the UC/CSU “a” or “g” Requirement
Approved by College Board Audit
ADVANCED PLACEMENT PSYCHOLOGY

Grades: 11-12  10 Credits  Year

Prerequisite: Recommended “A” or “B” in most recent English course. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Advanced Placement Psychology introduces students to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. The AP Psychology course stresses critical thinking, reading, and writing within the context of scientific methodology and questioning. Another goal of the course is to make sure that students understand how psychology applies to the real world.

Elective credit only
Meets the UC/CSU “g” Requirement
Approved by College Board Audit

ADVANCED PLACEMENT UNITED STATES HISTORY

Grades: 11-12  10 Credits  Year

Prerequisite: Students with a “B” or better in World History and English 10 or successful completion of AP World History. Student commitment to prepare for and take the Advanced Placement Exam. AP contract on file.

Advanced Placement United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States History. Students will assess historical materials to determine their relevance to a given interpretative problem, their reliability and their importance and to weigh the evidence and interpretations presented in historical scholarship. This course will make demands upon the student equivalent to that of a full-year college level course. Students will be encouraged to take the Advanced Placement Exam for possible college credit.

Meets the US History Graduation Requirement
Meets the UC/CSU “a” Graduation Requirement
Approved by College Board Audit

12
ADVANCED PLACEMENT WORLD HISTORY

Grades: 10-12  10 Credits  Year

Prerequisite: Completion of English 9 with a “B” or better. Student commitment to summer reading assignments and to greater depth and acceleration in the study of this subject. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

The purpose of the Advanced Placement World History course is to develop greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Focused primarily on the past thousand years of global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000 B. C. The era is global in focus following the intensifying international contacts among Asia, Europe, Saharan, and Sub-Saharan Africa. It examines the empires of China and Mesoamerica, the expansion of Islam, Mongol dominance, the period of new political units in Africa and Europe, cultural and social aspects, and trade.

Meets the World History Graduation Requirement
Meets the UC/CSU “a” Requirement
Approved by College Board Audit
AGRICULTURE ENVIRONMENTAL EDUCATION

Summary of Courses

- Advanced Equine Science
- Advanced Floral Design
- Advanced Horsemanship
- Agriculture Biology
- Agriculture Chemistry
- Agriculture Economics and Business Management
- Agriculture Geophysical Science
- Agriculture Government and Economics
- Animal/Plant Science
- Floral Design
- Horsemanship
- Introduction to Engineering Technology
- Landscape Design
- Veterinary Science

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.
ADVANCED EQUINE SCIENCE

Grades: 10-12  10 Credits  Year

Prerequisite: Advanced Horsemanship

This course is designed for the student interested in pursuing a career in Animal Science or the horse industry. Instruction provides a survey of the anatomical and physiological body systems and their relationship to conformation, soundness, exercise and performance, feeds and nutrition, breeding practices, disease and health management and facilities design. The student will be involved in an agriculture project as a “hands-on” activity. Participation in FFA activities is an integral part of this course. This course may be repeated as needed.

Meets the Vocational Arts Graduation Requirement
May be Repeated for Credit
Meets the UC/CSU “g” Requirement

ADVANCED FLORAL DESIGN

Grades: 10-12  10 Credits  Year

Prerequisite: A grade of “C” or better in Floral Design or instructor’s approval.

This course develops the basic techniques explored in Floral Design. Expanded individuality, craftsmanship, and artisanship will be stressed. This course requires the completion of several floral design projects requiring the purchase of fresh or silk flowers. A supervised project will be required.

Meets the Fine Arts or Vocational Arts Graduation Requirement
May be Repeated for Credit

ADVANCED HORSEMANSHIP

Grades: 10-12  5 Credits  Semester
                (Year recommended)

Prerequisite: One year of basic horsemanship and/or instructor’s approval.

Advanced Horsemanship will provide the student with the opportunity to become a more proficient rider as well as manager. Units include: anatomy and physiology, unsoundness, disease, parasite control and preventative health care, reproduction and breeding, genetics, horse behavior and training, business aspects and career opportunities. Protective head gear with a chin strap is required and will be provided. A supervised project will be required.

Meets Vocational Arts or Physical Education Graduation Requirement
May be Repeated for Credit
AGRICULTURE BIOLOGY

Grades: 9-12 10 Credits Year

Prerequisite: A grade of “C” or better or concurrent enrollment in Algebra I/Math I.

Agriculture Biology is a laboratory science course for the college-bound student. The course emphasizes detailed knowledge of the central concepts, principles, and basic factorial material of the following topics: molecular and cellular aspects of living things, structure and function of agriculture plants and animals, genetics, plant and animal diversity, principles of classification, ecological relationships, and animal behavior. A supervised project will be required.

Meets Life Science Graduation Requirement
Meets the UC/CSU “d” Requirement

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AGRICULTURE CHEMISTRY

Grades: 10-12 10 Credits Year

Prerequisite: Algebra with a minimum grade of “C”. Concurrent enrollment in another college preparatory math class is required. Successful completion of a Biology course prior to enrollment in this course is recommended.

This is a laboratory chemistry class that covers the California State Standards. The aim of the course is to enable students to develop a better understanding of their physical world. The central theme of the course is the basic principle that the properties of matter are a consequence of the structure matter. The course takes a balanced approach in accomplishing this by combining chemical theories, concepts and quantitative problems with applications and current practices of chemistry. This course also studies the relationship between chemistry and the agricultural sciences.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” Requirement
AGRICULTURE ECONOMICS AND BUSINESS MANAGEMENT

Grades: 11-12 10 Credits Year

Prerequisite: Completion of one previous agriculture course.

America’s agricultural industry is the mainstay of the United States economy. Understanding economics and regulations of this diverse industry is critical to its continued success and prosperity. Students will study the microeconomics, macroeconomics, economic systems, and agriculture marketing. The class will run its own business, manage other businesses, and visit many others to gain first-hand understanding of the industry. Computers will be used to learn economic analysis and interpretation. Leadership and Future Farmers of America (FFA) will be explored and/or reviewed, and a supervised project will be required.

Meets Economics or Vocational Arts Graduation Requirement

AGRICULTURE GEOPHYSICAL SCIENCE

Grades: 9-12 10 Credits Year

Prerequisites: None

This course explores the relationship between physical and earth sciences and agriculture. Everything from astronomy to geology to basic physics is covered in this course. A supervised project will be required.

Meets Physical Science Graduation Requirement

AGRICULTURE GOVERNMENT AND ECONOMICS

Grades: 11-12 10 Credits Year

Prerequisite: Completion of one previous Agriculture course.

This course combines both government and economic courses. Emphasis will be placed on the organization and function of the national, state and local government in the U. S. Further focus will be placed on the relationship between agriculture and each level of government. World government philosophies will also be reviewed and analyzed. The economics portion of the course will introduce students to basic economic principles and the American free-enterprise system. Students will study microeconomics, macroeconomics, various economic systems and agriculture marketing. “Peer Leadership (Miscellaneous Courses)” and FFA will be required as well as a supervised agricultural experience project.

Meets the Graduation Requirement
Meets the UC/CSU “g” Requirement
Must Successfully Complete Full Year To Meet Economics & Government Graduation Requirements
ANIMAL/PLANT SCIENCE

Grades: 9-12  10 Credits  Year

Prerequisite: None

Animal/Plant Science is an introductory course for first year agriculture students. This course explores all of the various areas of agriculture from animal science to the horticulture industry. The history and background of California’s agriculture industry and the Future Farmers of America (FFA) are also covered in this course. A supervised project will be required.

Meets the Vocational Arts Graduation Requirement

FLORAL DESIGN

Grades: 9-12  10 Credits  Year

Prerequisite: None

This course gives the student a practical look at the floriculture industry in California. The major emphasis will be on culture, care and processing of floral crops, as well as floral design principles and corsage construction. This course is designed to lay the foundation for an entry-level position in the floriculture industry or as the prerequisite for the advanced class. A supervised project will be required. A lab fee is required for materials.

Meets Vocational Arts or Fine Arts Graduation Requirement

HORSEMANSHIP

Grades: 9-12  5 Credits  Semester (Year recommended)

Prerequisite: None

This course will provide the student with a working knowledge on how to: properly catch, lead, tie, groom, saddle, bridle, and mount horses, adjust the care for equipment, and become a proficient rider. In addition, a basic understanding of equine care, management, and schooling will be developed. Protective head gear with a chin strap is required and will be provided. A supervised project will be required.

Meets Vocational Arts or Physical Education Graduation Requirement
Articulated to MSAC Animal Science I
INTRODUCTION TO ENGINEERING TECHNOLOGY

Grades: 9-12  10 Credits  Year

Prerequisite: None

This course introduces students to the theory and practical applications of basic agricultural engineering technologies. Students will learn shop safety, materials selection, job planning, benchwork, quality control and project inspection commonly used in the agricultural and industrial engineering job sectors. Using both mechanical drawing and computer aided design (CAD), students will learn to draw, study, and interpret basic industry blueprints to plan, develop, and create classroom projects. To complete required projects, students will become familiar with the safety, use, and preventive maintenance of hand tools, power tools, metal joining equipment (welders), and precision measuring equipment used in the agriculture engineering, design, fabrication, and related engineering and design fields. Participation in FFA leadership activities and Career Development Events (Competitions) is an integral part of this course. Students will be required to plan and implement a Supervised Occupational Experience Project (SOEP).

Meets the Vocational Arts or Elective Graduation Requirement

LANDSCAPE DESIGN

Grades: 9-12  10 Credits  Year

Prerequisite: None

This course is designed to allow students to apply an artistic approach to landscape design. Students will explore elements and principles of design, two or three-dimensional designs, history of landscape architecture, landscaping materials, the outdoor room concept, landscape and garden writers, landscape artists, landscape construction techniques, and horticulture. Students will achieve this through creating, designing, identifying, explaining and evaluating all topics of study. A supervised project will be required.

Meets the Vocational Arts Graduation Requirement
Articulates with MSAC Landscape Design 13

VETERINARY SCIENCE

Grades: 10-12  10 Credits  Year

Prerequisite: A grade of “C” or better in Algebra I/Math I or concurrent enrollment and completion of one agriculture course or approval of instructor.

This course provides a study of common diseases of both small and large animals as well as the causes and means of prevention. Course work will include anatomy and physiology of domestic animals, nutrition, parasites and diseases. Guest lectures, veterinarians, and animal health technicians will also be provided to add knowledge of current practices that are implemented in the animal health fields. Students will gain practical experience in veterinary medicine by conducting hands-on activities with livestock. A supervised project will be required.

Meets Vocational Arts Graduation Requirement
Meets one-half unit of the UC/CSU “g” Requirement
Articulates to MSAC Animal Science 1
CAREER AND TECHNICAL EDUCATION

Summary of Courses

- Accounting I
- Accounting II
- Advanced Desktop Publishing
- Advanced Video Production
- Advanced Web Design
- Anatomy and Physiology for Health Professions
- Computer I
- Computer II
- Computer Graphics and Design
- Connections to Your Future
- Crime Scene Investigation
- Emergency Medical Responder Extended
- Exploring the US Criminal Justice System
- Flash Animation and Gaming
- IC3 – Internet and Computing Core Certification
- Integrated Marketing Communications
- Introduction to Business I
- Introduction to Business II
- Introduction to Engineering Design
- Introduction to Engineering Technology
- Introduction to Flash
- Introduction to Multimedia
- Introduction to Video Production
- Introduction to Web Design
- Microsoft Office IT 1
- Orientation to Online Learning
In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.

Articulated Courses with Riverside City College

Students who complete articulated courses with a "C" or better (some courses do require "B" or better) can earn college units for the equivalent course. Students must take 12 units at Riverside Community College (RCC) and then the course will be on their transcript at RCC. If a course is needed as a prerequisite for an advanced class at RCC, students who pass the articulated course in high school with a "C/B" or better will have met the prerequisite and can take the advanced class upon entry to RCC.
ACCOUNTING I

Grades: 10-12
10 Credits
Year

Prerequisite: Algebra I/Math I with a recommended grade of "C" or better.

This first-year course in accounting is designed to introduce the student to basic accounting principles and procedures that are being used by private enterprise. It also covers the basic accounting cycle using the books of account. It concludes with the completion of the company work sheets and financial statements. This course prepares the student for personal financial management and for entry-level jobs as an accounting clerk.

Meets UC/CSU “g” Requirement
Meets 2nd or 3rd Year Math Graduation Requirement Upon Completion of Algebra I/Math I
Meets the Mathematics or Vocational Arts Graduation Requirements
Articulated to Riverside City College’s Accounting 55

ACCOUNTING II

Grades: 11-12
10 Credits
Year

Prerequisite: Accounting I with a recommended grade of "C" or better or instructor's approval.

This second-year course in accounting is designed to prepare the student with the knowledge of accounting principles and procedures that are being used by private enterprise. It also covers, in-depth, the accounting cycle using the books of account. It concludes with the completion of the company work sheets and financial statements for departmentalized businesses, corporations, merchandising businesses, manufacturing businesses, and partnerships. This course prepares the student for financial management and for entry-level jobs in the accounting profession. The learning activities also serve students who desire advanced preparation for the study of accounting in college.

Meets the Vocational Arts Graduation Requirement

ADVANCED DESKTOP PUBLISHING

Grades: 10-12
10 Credits
Year

Prerequisite: “C” or better in Computer II (Desktop Publishing) or instructor approval.

This course is designed for students interested in learning advanced desktop publishing skills. By combining creative writing, commercial graphics and photographs, students will design newsletters and communications for publication. May be repeated for credit (PHS).

Meets the Vocational Arts Graduation Requirement
ADVANCED VIDEO PRODUCTION

Grades: 10-12

Prerequisite: Introduction to Multimedia or Video Production or teacher approval required.

This course will focus on four areas of study: media literacy training, fiction/documentary production and integrated media projects. Media skills will be applied to produce a news magazine-type show of interest to the staff and students.

Meets the Performing Arts or Vocational Arts Graduation Requirements
May be repeated for additional credit

ADVANCED WEB DESIGN

Grades: 10-12

Prerequisite: Completion of Introduction to Web Design with a “C” or better, or permission of the instructor.

This course is designed for students interested in extending their knowledge and skills in Web page creation and Web-site management. Students will learn design principles that will show them how to use color and layout to create attractive modern Web pages. They will learn how to create Web pages that utilize tables, frames and forms. They will create and modify graphics for use on their pages. They will also learn how to create animations and multimedia content and use them to enhance their Web pages. Students will also learn how to set up and manage their own Web sites.

Comparable to Web Design at JVHS
Meets the Vocational Arts Graduation Requirement
Articulated to Riverside City College

ANATOMY AND PHYSIOLOGY FOR HEALTH PROFESSIONAL

Grades 11-12

Prerequisite: Completion of Biology and Chemistry with a “C” or better.

This is a capstone level course for students planning on a career in the health sciences or medical technology. It provides that study of the structure and function of the human body and the mechanisms for maintaining homeostasis within it. Students will do readings, research and investigations that will prepare them for freshman level college courses in this area.

Meets the Life Science Graduation Requirement
Meets the UC/CSU “d” Requirement
Meets the NCAA Requirement
COMPUTER I

Grades: 9-12 10 Credits Year

Prerequisite: None

This course is designed to teach students how to operate a computer utilizing commercially developed software programs. The students will learn to type; use a word processor; manipulate a spreadsheet; create presentations; use desktop publishing software; create a short, simple movie; and to use the Internet to retrieve information. The students will learn how to transfer all of these skills to a college learning environment and/or to the world of work.

Meets the Vocational Arts Graduation Requirement
Articulated to Riverside City College's Office Administration 34A

COMPUTER II

Grades: 10-12 10 Credits Year

Prerequisite: Completion of Computer Applications I with a grade of "C" or better.

This course is designed to teach advanced students how to operate a computer utilizing commercially developed software programs. The students will learn advanced procedures and operations of a word processor, spreadsheets, presentation software, desktop publishing software, scheduling software and the use of the Internet to retrieve information. The students will learn how to transfer these skills to a college learning environment and/or to the world of work.

Meets the Vocational Arts Graduation Requirement
Articulated to Riverside City College's Office Administration 34B

COMPUTER GRAPHICS AND DESIGN

Grades: 9-12 5 Credits Semester

Prerequisite: None

This is a course that exposes the student to communication technology. It is designed to introduce students to drawing with a computer. Topics covered include: career opportunities, computer usage fundamentals, software decisions, design principles, characteristics of layout, graphic design, desktop publishing, print process, new media technologies, and production methods. Keyboarding skills recommended. Lab fee charged for this course.

May be repeated for credit
Meets the Vocational Arts Graduation Requirement
CONNECTIONS TO YOUR FUTURE
Grades: 9-12 5/10 Credits Semester/Year

Prerequisite: None

*Connections to Your Future* is a foundation class for students to gain an improved understanding of self through exploration of their values and interests. This course will familiarize students with a wide range of career options and develop an appreciation of the relevance of school learning to "real life." Students will become knowledgeable about consumer economics, protections and laws, budgeting for housing, transportation, insurance, and other personal needs. The students should develop skills that will help them be knowledgeable and responsible lifelong learners by connecting to their future.

*Meets the Vocational Arts Graduation Requirement*

CRIME SCENE INVESTIGATION
Grades: 10-12 10 Credits Year

Prerequisite: Completion of Earth and Space Science or Biology with a “C” or better (both semesters)

This course is designed to give students both theory and hands-on experience in the skills and knowledge in the field of forensic science, including an introduction to crime scene investigation, crime scene photography, and diagrams as they are used in a criminal investigation. Students will learn the importance of physical evidence in solving crimes, dusting and lifting fingerprints, how to perform a gunshot residue test, evidence collecting and processing methods, and the use of forensic light sources technology.

*Meets the Vocational Arts Graduation Requirement*

EMERGENCY MEDICAL RESPONDER EXTENDED
Grades: 10-12 10 Credits Year

Prerequisite: None

This course will teach students to provide immediate care to an ill or injured person and train them in the pre-hospital setting to assist EMS providers, firefighters, EMTs, paramedics, and law enforcement officers. Instructional content area skills include the history of health care, anatomy systems and related medical terminology. The course covers EMS overview, CPR, and First Aid skills, patient assessment, legal and ethical issues, triage, assisting in clinical settings and emergency responsibilities.

*Meets the Vocational Arts Graduation Requirement*
EXPLORING THE US CRIMINAL JUSTICE SYSTEM

Grades: 11-12 10 Credits Year

**Prerequisite:** Completion of English class from previous year with a “C” or better.

This course is designed to give students practical knowledge and familiarity with the workings of the Criminal Justice System. The course of study includes extensive discussion of the causes of crime as well as government response including how laws are made and enforced. Students will also analyze the roles and challenges in the criminal justice system in a democratic society. Students will learn about police procedures, courtroom practices, probation and parole as well as the prison system and about careers in the criminal justice system. Local and national current events are used for discussion of concepts covered in class.

*Meets the Vocational Arts Graduation Requirement  
Meets the UC/CSU “g” Requirement  
Meets the NCAA Requirement*

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FLASH ANIMATION AND GAMING

Grades: 11-12 10 Credits Year

**Prerequisite:** Completion of Introduction to Flash with a “C” or better or with the permission of the instructor.

This course is designed for students interested in extending their knowledge and skills in animation and learning how to create computer games using Adobe Flash. Students will learn advanced cartooning and animation techniques. Principles of game design and action will be taught along with how to use Flash’s programming language, ActionScript, to create computer games.

*Meets the Vocational Arts Graduation Requirement*

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IC3 – INTERNET AND COMPUTING CORE CERTIFICATION

Grades: 9-12 10 Credits Year

**Prerequisite:** None

Students will begin the course by learning to touch type on the computer keyboard using correct techniques as well as the development of speed and accuracy. Students will be introduced to the formatting of personal and business letters, tables, notes, memos, and reports. This will be followed by the IC3 Training Program which is designed to prepare students for the Internet and Computing Core Certification (IC3) exam by Certiport. This training program will cover all aspects of the Internet and Computing Core Certification (IC3). Students will get an overview of operating system fundamentals, computer and network terminology, working with software and the operating system and troubleshooting within. Finally, they will learn about communicating with the modern world via web browsers and email, networking terminology and protecting information online. The program gives students the foundation to develop sufficient keyboarding, Internet, and computing literacy skills to enter current job markers or begin higher education programs.

*Meets the Vocational Arts Graduation Requirement*
INTEGRATED MARKETING COMMUNICATIONS

Grades: 11-12 10 Credits Year

Prerequisite: Completion of English 9 and English 10 with a “C” or better.

This class integrated the communication and media demands of marketing careers with the advanced communications requirements for post-secondary students in marketing or business. The course provides an application of current theories and concepts in effectively marketing goods and services to identified target customers from both a domestic and global perspective. Topics include market research, identifying target customers, advertising, promotion, public relations, branding, pricing, specialized marketing communications, selling and distribution channel logistics. Marketing is critically examined from diverse perspective, including consumer, economic, technological, legal/political, and ethical/social responsibility perspectives.

Meets the Vocational Arts Graduation Requirement
Meets the UC/CSU “g” Requirement
Only offered Patriot High School

INTRODUCTION TO BUSINESS I

Grades: 9-12 5 Credits Semester

Prerequisite: None

This course examines careers in business, the global view of business, current trends and issues in business, entrepreneurship, small business ownership and provides a comprehensive view of business through the introduction to business concepts and building of critical thinking skills. Students gain valuable knowledge and understanding of the business world.

Meets the Vocational Arts Graduation Requirement

INTRODUCTION TO BUSINESS II

Grades: 9-12 5 Credits Semester

Prerequisite: None

Introduction to Business II is a semester course that will focus on the roles of students as citizens, student family members, consumers, and active participants in the work place and business world. The goal is to inform students of their various economic and financial responsibilities and to provide opportunities for self-awareness, expression, and advancement in a progressive and highly-competitive society. Introduction to Business I and II prepares students with business and consumer competence needed for productive adult lives.

Meets the Vocational Arts Graduation Requirement
INTRODUCTION TO ENGINEERING DESIGN

Grade: 9-12  
Year:  
10 Credits

**Prerequisite:** None

This year-long elective is the first course in a four course sequence required for the national pre-engineering program, Project Lead the Way. Students learn the engineering design process, applying math, science, and engineering standards through hands on projects. This introductory course develops student problem-solving skills, with emphasis placed upon the design and development process of a product and how a 3D model of that product is produced, analyzed, and evaluated, using a Computer-Aided Design (CAD) system. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use an industry approved 3D solid modeling design software package to help them design solutions to solve proposed problems.

*Meets the Vocational Arts Graduation Requirement*

INTRODUCTION TO ENGINEERING TECHNOLOGY

Grades: 9-12  
Year:  
10 Credits

**Prerequisite:** None

This course introduces students to the theory and practical applications of basic agricultural engineering technologies. Students will learn shop safety, materials selection, job planning, benchwork, quality control and project inspection commonly used in the agricultural and industrial engineering job sectors. Using both mechanical drawing and computer aided design (CAD), students will learn to draw, study, and interpret basic industry blueprints to plan, develop, and create classroom projects. To complete required projects, students will become familiar with the safety, use, and preventive maintenance of hand tools, power tools, metal joining equipment (welders), and precision measuring equipment used in the agriculture engineering, design, fabrication, and related engineering and design fields. Participation in FFA leadership activities and Career Development Events (Competitions) is an integral part of this course. Students will be required to plan and implement a Supervised Occupational Experience Project (SOEP).

*Meets the Vocational Arts or Elective Graduation Requirement*

INTRODUCTION TO FLASH

Grades: 10-12  
Year:  
5 Credits

**Prerequisite:** Completion of Introduction to Multimedia with a “C” or better or with the permission of the instructor.

This course is designed for students interested in learning how to create computer animations and multimedia using Adobe Flash. Students will learn how to create graphics and animate them in Flash using frame-by-frame and “tweening techniques.” Students will also add text and audio to their animations. Students will also use Flash to work with video.

*Meets the Vocational Arts Graduation Requirement*
INTRODUCTION TO MULTIMEDIA

Grades: 9-12  
5 Credits  
Semester

Prerequisite:  None

This course is a survey of multimedia technology available with an eye toward design and delivery of a message. It is a hands-on class in which students work with computers and related equipment such as audio, video, and digital imaging tools. The class is taught in learning modules through which students rotate during the semester. Covered areas of enrichment include digital video production, sound editing, web page design, multimedia production, and computer graphic design.

Meets the Vocational Arts Graduation Requirement

INTRODUCTION TO VIDEO PRODUCTION

Grades: 9-12  
5 Credits  
Semester

Prerequisite:  None (JVHS, RHS); Introduction to Multimedia (required at PHS)

Introduction to Video Production showcases the basic principles of video production including operation of equipment, program development and technical skills necessary to produce a video program. Students will produce, direct, and edit a variety of projects including interviews, commercials, entertainment and instructional programs.

Meets the Vocational Arts Graduation Requirement

INTRODUCTION TO WEB DESIGN

Grades: 10-12  
5 Credits  
Semester

Prerequisite:  Completion of Multimedia with a “C” or better or permission of instructor

This course is designed for students interested in learning how to create and maintain Web pages and Web sites. Students will learn how to create Web pages with a basic word processing program using HTML (XHTML) and a HTML editing program (Adobe Dreamweaver). They will also learn how to manage and maintain Web sites using Dreamweaver software. Students will use a graphics program (Adobe Fireworks) to create or modify and then optimize images for use on the Web. Students will also create multimedia content for the Web using Adobe Flash.

Meets the Vocational Arts Graduation Requirement
MICROSOFT OFFICE IT 1

Grades: 10-12 10 Credits Year

Prerequisite: None

Microsoft Office IT is a course that provides instruction in the professional suite Microsoft Office: Word, PowerPoint, Excel, and Access. Students that complete this course have the opportunity to earn industry-based certification as a Microsoft Office Specialist. These certifications allow students to be successful in their academics as well as have an advantage when entering the market place. Even when not required by employers, a certification can give a student’s resume an advantage over the competition.

Meets the Vocational Arts Graduation Requirement

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ORIENTATION TO ONLINE LEARNING

Grades: 9-12 5 Credits Semester

Prerequisite: Must be enrolled as a student at Rivercrest Preparatory

This introductory course will orient Rivercrest Preparatory Online School (RPOS) students to the online classroom environment and help them develop the fundamental knowledge and skills necessary for academic success in our online high school and beyond. Our focus will be on organizational and note taking skills, computer applications for education, Internet use for educational study, and social media as a means of educational communication between students, teachers, and parents. The course will last three weeks, but students are expected to continuously apply and refine these skills throughout high school and beyond.

Meets the Vocational Arts or Elective Graduation Requirement

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PRINCIPLES OF ENGINEERING

Grades: 10-12 10 Credits Year

Prerequisite: Completion of Introduction to Engineering Design

This year-long elective is the second course in the four elective course sequence for Project Lead the Way, a national pre-engineering program. Through hands-on projects that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Used in combination with a teaming approach, it challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning.

Meets the Vocational Arts Graduation Requirement
ROBOTICS

Grades: 10-12

10 Credits

Year

Prerequisite: “B” or better in semester 2 of Algebra I/Math I, “B” or better in multimedia or computer I

This course is designed to provide students with basic knowledge and skills necessary to understand, design, construct, program and operate a basic robot. Students will learn team building, problem solving, basic computer programming and design techniques. In addition, they will learn how to create and maneuver robots through the use of a Lego Mindstorms Kit or similar technology. Use of technology related robotics such as light sensors, touch sensors, infrared sensors, robotics mechanisms, motors, and gears will also be incorporated into the course. The overall goal of the class is to engage students in an exciting way to increase their interest in considering a career in science, technology, engineering, and mathematics (STEM) fields.

Meets the Vocational Arts or Elective Graduation Requirement

STUDENT VOLUNTEER

Grade: 9-12

Open Entry/Open Exit Program; Progressive from 1 to 5 credits per semester

Prerequisites: Students must secure a volunteer site; seniors must be enrolled in a minimum of four other courses.

This is an opportunity for students to participate in community service activities and to earn school credit. Students will build an awareness of society and a connection between classroom and real world issues. Students can provide service in the community on a voluntary basis to public, nonprofit agencies, civic, charitable and governmental organizations and school campus. Volunteer hours are also beneficial when applying to college and for scholarships. Students will earn one credit for every 18 hours of volunteer service. Students will be required to attend one meeting every week.

Meets the Vocational Arts Graduation Requirement

TECHNOLOGY EXPLORATION

Grades: 9-12

5 Credits

Semester

Prerequisite: None

In this semester class, students will focus on developing skills in using computer programs such as Microsoft Word, Excel, PowerPoint, and Publisher. The students will learn and apply these skills as they examine career options and set personal and academic goals for their high school years and beyond. Highly recommended for all 9th grade students, this course will prepare freshmen to utilize technology as a tool for learning throughout their high school and college years.

Meets the Vocational Arts Graduation Requirement
### TECHNOLOGY PROFICIENCY TRAINING

**Grades:** 9-12  
**Variable – Up to 5 Credits**  
**Semester**  
**Prerequisite:** None

This course enables students to become effective users of technology. Students will demonstrate technological proficiency by successfully completing a customized Microsoft Office-User Specialist (MOUS) training program that features a focus on classroom skills using Word, PowerPoint and Excel as well as accessing and utilizing the Internet as a reference resource.

*Meets the Vocational Arts Graduation Requirement*

### TELEVISION PRODUCTION

**Grades:** 10-12  
**10 Credits**  
**Year**  
*(Grade 9 with instructor approval)*

**Prerequisite:** Introduction to Multimedia and Video Production required or teacher approval.

This class presents the basic principles of television production, including operation of equipment, program development and live-to-tape production. Students will write, produce, direct and create a variety of projects including interviews, entertainment and instructional programs. Students will produce the Daily News Show distributed and viewed across campus each day.

*Meets the Vocational Arts or Fine Arts Graduation Requirement  
This class may be repeated for credit*

### TRANSLATION AND INTERPRETATION 1

**Grades:** 9-12  
**10 Credits**  
**Year**

**Prerequisite:** Completion of Spanish 3 with a “B” or better.

This course is an introduction to the theory and practice of Translation and Interpretation, both from Spanish to English and English to Spanish. Students learn the fundamentals of translation in a variety of fields: legal, medical, literary, business, commercial, media, and in other domains. The course includes translation and interpretation techniques and supervised practice. This class is conducted in both Spanish and English, and the instructional materials and activities are bilingual as well.

*Meets the Vocational Arts Graduation Requirement*
VIDEO PRODUCTION

Grades: 10-12 10 Credits Year

Prerequisite: None (JVHS, RHS); Requires Introduction to Multimedia or teacher’s approval (PHS)

Video Production is an introductory course designed to acquaint students with digital video equipment, basic video production principles, ethics, basic editing, acceptable procedures and practices within the industry, and video production opportunities. This course may be repeated for additional credit with instructor’s approval. Students will learn artistic aspects of film and video. Student may take two periods per semester with instructor's permission. Material fees will be required.

Meets the Fine Arts or Vocational Arts Graduation Requirement
This class may be repeated for credit
Meets the UC/CSU “f” Requirement
Articulated to RCC Introduction to Video Production – TEL 67

WEB DESIGN

Grades: 10-12 10 Credits Year

Prerequisite: Must have taken and passed Technology Exploration, Computer 1 or Introduction to Web Design with a “C” or better. Computer Graphics and Design recommended.

Introduction to Web Design is a beginning course for students seeking to know how to develop a Web Site using industry standard software. As a student in this course, you will learn the most important topics of Adobe Dreamweaver CS4 (or most current version). You will begin with an introduction to Adobe Dreamweaver (CS4), learn to plan and design a basic Web site. The course will introduce topics such as formatting text with shared site elements and creating dynamic pages and animations. The course concludes with more advanced topics, such as adding rich media, creating reusable assets and forms, and adding spry elements and database functionality.

Comparable to Advanced Web Design at PHS and RHS
Meets the Vocational Arts Graduation Requirement
Articulated to Riverside City College
WELDING

Grades: 11-12
10 Credits JUSD Quarter

Prerequisite: 16 years of age and concurrent enrollment with RCC

An introductory course in basic welding, shop and industry safety, and common metal and materials used in welding. Lecture and laboratory hours required.

3 unit RCC course offered on the Nueva Vista High School Campus

WORK EXPERIENCE

Grades: 10-12: Open entry/open exit program; progressive from 1 to 10 credits per semester

Prerequisites: Students must be at least 16 years old and have a job; seniors must be enrolled in a minimum of four other courses.

This is an opportunity to earn credit while working at a job with the added attraction of being able to use related instruction for career awareness and job survival skills. Students must be enrolled in at least four other courses and attend a minimum of 240 minutes on campus. A maximum of forty credits is allowed for Work Experience.

Meets the Vocational Arts Graduation Requirement
ENGINEERING

Summary of Courses

- Introduction to Engineering Design
- Principles of Engineering
INTRODUCTION TO ENGINEERING DESIGN

Grade: 9-12  
10 Credits  
Year

Prerequisite: None

This year-long elective is the first course in a four course sequence required for the national pre-engineering program, Project Lead the Way. Students learn the engineering design process, applying math, science, and engineering standards through hands on projects. This introductory course develops student problem-solving skills, with emphasis placed upon the design and development process of a product and how a 3D model of that product is produced, analyzed, and evaluated, using a Computer-Aided Design (CAD) system. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use an industry approved 3D solid modeling design software package to help them design solutions to solve proposed problems.

Meets the Vocational Arts or Elective Requirements

PRINCIPLES OF ENGINEERING

Grades: 10-12  
10 Credits  
Year

Prerequisite: Completion of Introduction to Engineering Design

This year-long elective is the second course in the four elective course sequence for Project Lead the Way, a national pre-engineering program. Through hands-on projects that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Used in combination with a teaming approach, it challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning.

Meets the Vocational Arts and Elective Graduation Requirements
FINE ARTS

Summary of Courses

- Advanced Animation
- Advanced Ceramics
- Advanced Drawing and Painting
- Advanced Floral Design
- Advanced Photography
- Animation
- AP Art History
- AP Studio Art
- Art Fundamentals – 1
- Art Fundamentals – 2
- Ceramics
- Digital Photography 1
- Digital Photography 2
- Floral Design
- Photography I
- Photography II
- Television Production
- Video Production
- Yearbook

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.

Articulated Courses with Riverside Community College

Students who complete articulated courses with a "C" or better (some courses do require "B" or better) can earn college units for the equivalent course. Students must take 12 units at Riverside Community College (RCC) and then the course will be on their transcript at RCC. If a course is needed as a prerequisite for an advanced class at RCC, students who pass the articulated course in high school with a "B/C" or better will have met the prerequisite and can take the advanced class upon entry to Riverside Community College.
ADVANCED ANIMATION

Grades: 10-12  
10 Credits  
Year

Prerequisite: Completion of Animation with a grade of "C" or better, or instructor approval.

This course is designed to expand on the basic skills and techniques introduced in Animation, adding advanced traditional animation drawing techniques along with cleanup and in-betweening, script writing, storyboarding, digital recording, digital exposure sheets, digital ink and paint, and animatics production skills. Individual projects will be conceived, model sheets will be created, and projects will be storyboarded, presented and animated with an emphasis on the techniques, tools and procedures of the studio process. Students will also be responsible for creation of a digital animatic/story reel. The 12 Principles of Animation will be revisited and expanded to the 28 Principles of Eric Larson and Walt Stanchfield. Color theory will be introduced and applied in digital, and/or traditional work.

Meets the Fine Arts Graduation Requirement  
Meets the UC/CSU “f” and “g” Requirement

ADVANCED CERAMICS

Grades: 10-12  
10 Credits  
Year

Prerequisite: Ceramics with a grade of "C" or better and/or instructor's approval.

Advanced Ceramics is a course which develops the basic techniques explored in Ceramics. Glaze formulation and basic firing procedures will be included. Expanded individuality and craftsmanship will be stressed. This course requires the completion of several ceramics projects requiring the purchase of several bags of clay.

Meets the Fine Arts Graduation Requirement  
This course may be repeated for credit  
Meets the UC/CSU “f” Requirement
ADVANCED DRAWING AND PAINTING

Grades: 10-12  10 Credits  Year

Prerequisite: A grade of "C" or better in Art Fundamentals or instructor's approval.

This course is designed for the serious art student who wants to further develop drawing and painting skills. Emphasis will be on the development of visual and tactile perceptions.

Meets the Fine Arts Graduation Requirement
Meets the UC/CSU "f" Requirement

ADVANCED FLORAL DESIGN

Grades: 10-12  10 Credits  Year

Prerequisite: Floral Design; recommended grade of "C" or better.

Advanced Floral Design is a one-year course that develops the basic techniques explored in Floral Design. Expanded individuality, craftsmanship, and artistry will be stressed. This course requires the completion of several floral design projects requiring the purchase of fresh flowers or silk flowers. An additional supervised project will be required.

Meets the Fine Arts or Vocational Education Graduation Requirement

ADVANCED PHOTOGRAPHY

Grades: 11-12  10 Credits  Year

Prerequisite: A grade of "C" or better in Photo II or instructor's approval.

Students will continue to refine camera and darkroom techniques learned in Photography I and II. They will be introduced to formal and informal portraiture, child portraiture, sports and action photography, architectural photography, nature-including micro work, photo journalism, still-life creations, copy negatives, and archival printing and storing. This course may be repeated for additional credit with instructor's approval.

Meets the Fine Arts Graduation Requirement
Meets the UC/CSU “f” Requirement
ANIMATION

Grades: 9-12  
Year  
10 Credits

Prerequisite:  None (JVHS, RHS); 1 semester Art Fundamentals with a grade of C or better (PHS)

This course is designed to teach students the basics of drawing for traditional animation. Drawing of basic shapes, character development, model sheets, turnarounds, introduction to the mechanics of motion, basic perspective and animation pencil test camera techniques will be an integral part of the course. The elements of art, principles of design and twelve principles of animation will be introduced and emphasized. Students will study the historical trends in animation and filmmaking and its impact on different cultures. The general format of classroom instruction will be a combination of lecture, demonstration, guided practice, hands-on investigations, video presentations and classroom discussions. Students must be self-motivated to succeed.

Meets the Fine Arts Graduation Requirement  
Meets the UC/CSU “f” Requirement

ADVANCED PLACEMENT ART HISTORY

Grades: 11-12  
Year  
10 Credits

Prerequisite:  A grade of “B” or better in World History or teacher approval and commitment to prepare for and take AP Exam. AP contract on file.

This History of Art survey class is designed to expose students to an understanding of works of art and the times in which they were created. Students will develop the ability to discuss and write about works of art. They will become acquainted with major forms of artistic expression in our time as well as from other times and cultures. This course will be taught in two semesters. The first semester will cover Antiquity to the Middle Ages. The second semester will cover 1400 to present. Students may obtain college credit with a passing score on the Advanced Placement examination in May. Course includes 1-2 field trips.

Meets the Fine Arts Graduation Requirement  
Meets the UC/CSU “f” or “g” Requirement  
Approved by College Board Audit
ADVANCED PLACEMENT STUDIO ART

Grades: 11-12

10 Credits

Year

Prerequisite: Completion of an advanced art course with a grade of “C” or better and commitment to outside work to fulfill the portfolio requirement. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

AP Studio Art is a rigorous, college-level course that stresses quality of student work, concentration on a particular visual interest or problem, as well as breadth of experience in the formal, technical, and expressive means of the artist. Students are required to complete approximately 24 works of quality for their AP portfolio.

Meets the Fine Arts Graduation Requirement
Meets the UC/CSU “f” or “g” Requirement
Approved by College Board Audit

ART FUNDAMENTALS 1 and 2

Grades: 9-12

5 Credits/10 Credits

Semester/Year

Prerequisite: None

Art Fundamentals 1 and 2 is the foundation course that introduces students to the California standards of art education. Students will work with various media and learn about the use of art elements and principles.

Each semester meets one-half of the Fine Arts Graduation Requirement
Students must take both semesters to meet the UC/CSU “f” Requirement

CERAMICS

Grades: 9-12

10 Credits

Year

Prerequisite: None (JVHS & RHS); 1 semester of Art Fundamentals with a grade of C or better (PHS)

Ceramics is a class designed to develop the student's knowledge and skill in working with clay. This course will introduce hand construction, wheel throwing, sculpture, glazing, and basic firing techniques. Creativity and craftsmanship will be stressed. This course requires the completion of ceramics projects which requires students to purchase several bags of clay.

Meets the UC/CSU “f” Requirement
Meets the Fine Arts Graduation Requirement
DIGITAL PHOTOGRAPHY 1

Grades: 10 Credits

Prerequisite: None; Recommended Photography I

Digital Photography 1 introduces students to digital still photography and digital imagery. Students use computers, and digital cameras, and scanned images. Software utilized may include Adobe Photoshop, Adobe Lightroom, iPhoto and others. Students explore digital imaging processes. They explore digital image creation, retrieval, manipulation, printing and storage.

Meets Fine Arts or Vocational Education Graduation Requirement

DIGITAL PHOTOGRAPHY 2

Grades: 10 Credits

Prerequisite: Digital Photography 1 with a grade of B or better

Digital Photography 2 reviews the basic principles of digital cameras, optics, light, exposure, meters and digital image processing on computers with Adobe Lightroom and Photoshop and iPhoto. Emphasis is on photographic quality, exploration of the photographer's environment and personal expression. Students use computers, and digital cameras, and scanned images and introduces full frame cameras. They explore digital image creation, retrieval, manipulation, printing and storage.

Meets Fine Arts or Vocational Education Graduation Requirement

FLORAL DESIGN

Grades: 9-12

Prerequisite: None

Floral Design gives the student a practical look at the floral design industry in California. The major emphasis will be on culture, care, processing of floral crops, and on floral design principles and corsage construction. The course is designed to build a foundation for an entry level position in the Floral Design industry. A supervised project will be required.

Meets Vocational Education Graduation Requirement
PHOTOGRAPHY I

Grades: 9-12  10 Credits  Year

Prerequisite: None (JVHS, RHS); 1 semester Art Fundamentals with a grade of C or better (PHS)

Students will study the concepts of 35mm camera, principles of black and white film exposure, film processing techniques, and photographic printing. They will learn to evaluate camera features in selection of a camera, and study the basic elements of composition and picture taking including rules of thirds, angle of view, lighting, depth of field, choice of lenses, choice of film, shutter speed/f/stop combinations, and choice of background. Basic black and white darkroom techniques will be learned, including film processing, making test strips, proof sheets, and enlargements. Students will learn the elements of a "good" photograph by critiquing published photographs and their own work.

Articulated with RCC Photo 8
Meets Fine Arts or Vocational Education Graduation Requirement
Meets the UC/CSU “f” Requirement

PHOTOGRAPHY II

Grades: 10-12  10 Credits  Year

Prerequisite: “C” or better in Photo I and/or instructor’s approval

Students will refine photography skills introduced in Photo I. They will expand their knowledge including working with available light and electronic flash, controlling depth of field, special darkroom techniques, use of filters on the camera, procedures in the darkroom and other techniques, as time and students’ interests permit.

Meets the Fine Arts or Vocational Education Graduation Requirement
Meets the UC/CSU “f” Requirement

TELEVISION PRODUCTION

Grades: 10-12  10 Credits  Year
(Grade 9 with instructor approval)

Prerequisite: Introduction to Multimedia and Video Production required or teacher approval.

This course presents the basic principles of television production, including operation of equipment, program development and live-to-tape production. Students will write, produce, direct and create a variety of projects, including interviews, entertainment and instructional programs. Students will produce the Daily News Show distributed and viewed across campus each day.

Meets the Vocational Education or Fine Arts Graduation Requirement
This course may be repeated for credit
VIDEO PRODUCTION

Grades: 10-12  
10 Credits  
Year

Prerequisite: None (JVHS, RHS); Requires Introduction to Multimedia or teacher’s approval (PHS)

Video Production is an introductory course designed to acquaint students with digital video equipment, basic video production principles, ethics, basic editing, acceptable procedures and practices within the industry, and video production opportunities. This course may be repeated for additional credit with instructor’s approval. This course may be taken two periods per semester with instructor’s permission. Students will learn artistic aspects of film and video.

*Meets the Fine Arts or Vocational Education Graduation Requirement*
*Meets the UC/CSU “f” Requirement*
*Articulated to RCC Introduction to Video Production TEL 67*
*May be repeated for credit*

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YEARBOOK

Grades: 9-12  
10 Credits  
Year

Prerequisite: Instructor’s approval

This is a laboratory course which gives the student practical experience in all phases of yearbook production including computer competence. Section editors must be active participants in all phases of the production of the yearbook. Assistant editors will share with the Editor-in-Chief the responsibility for designing, planning, and producing the yearbook. Students may take two periods per semester with instructor’s permission; after school hours required.

*Meets the Fine Arts Graduation Requirement*
*May be repeated for elective credit only*
FOREIGN LANGUAGE

Summary of Courses

• French I
• French II
• French III
• AP French Language and Culture
• Japanese I
• Spanish I
• Spanish II
• Spanish III
• Spanish I for Spanish Speakers
• Spanish II for Spanish Speakers
• Spanish III for Spanish Speakers
• Pre-AP Spanish Literature
• AP Spanish Language and Culture (IV)
• AP Spanish Literature and Culture (V)
• Translation and Interpretation 1

Students who demonstrate proficiency on district placement exam can earn up to 10 credits
FRENCH I

Grades: 9-12  
10 Credits  
Year

Prerequisite: None

This course is designed to introduce students to the fundamentals of the French language, culture and civilization, and to help the students acquire basic vocabulary and grammar necessary for practical language situations.

*Meets Fine Arts / Foreign Language Graduation Requirement*

*Meets the UC/CSU “e” Requirement*

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FRENCH II

Grades: 10-12  
10 Credits  
Year

Prerequisite: A grade of "C" or better in French I.

This course reviews the basic skills covered in French I. French II presents a more comprehensive study of grammar and enriches vocabulary usage. Also introduced are regular, irregular, and reflexive verbs in the passé composed and immediate future verb tenses.

*Meets Fine Arts / Foreign Language Graduation Requirements*

*Meets the UC/CSU “e” Requirement*

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FRENCH III

Grades: 11-12  
10 Credits  
Year

Prerequisite: A grade of "C" or better in French II.

This course reinforces the basic skills acquired in French I and II through oral discussion, short written composition, and varied reading selections. A more varied vocabulary including idiomatic expressions is emphasized. In addition, the recent past, the future, the conditional, and the imperfect verb tenses are presented.

*Meets Fine Arts / Foreign Language Graduation Requirements*

*Meets the UC/CSU “e” Requirements*
ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE
(FRENCH IV)

Grades: 11-12  10 credits  Year

Prerequisite: Completion of French II or French III with a grade of “C” or better or a passing score on the Foreign Language placement test. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Students will be required to gain continuing fluency in the basic skills acquired in the first three levels of the French language. The course will present an integrated study of verb formations, vocabulary extension and idioms to enable the student to acquire a total spectrum of French. Students will learn to blend basic survival language patterns with more complex structures geared to more sophisticated language situations. French cultural values and patterns of behavior and language will form a significant part of the linguistic material. Diverse readings from France will help to liberate students from their single-culture limitations. Emphasis will be placed on historical and geographic backgrounds of French areas leading to specific linguistic patterns. A study of French grammar will continue in more detail. The subjunctive mood, so much a part of the French language, will be studied in detail along with its juxtaposition to the indicative mood studied in levels I, II and III.

Meets Fine Arts / Foreign Language Graduation Requirement
Meets the UC/CSU “e” or “g” Requirement
Approved by College Board Audit

JAPANESE I

Grades: 9-12  10 Credits  Year

Prerequisite: None

Students will develop basic communicative, grammatical, and cultural proficiency through the practice of the four language skill areas (reading, writing, speaking, and listening) and study of the culture of present-day Japan. Emphasis is placed on practical language situations. A comprehensive study of the two alphabet systems allows the students to use basic grammar and vocabulary. The course enables students to develop an attitude of openness toward the Japanese and their culture through exposure to and an appreciation of Japanese food, music, history, arts, geography, life styles, and social customs. The course offers activity-based lessons that encourage students to examine Japanese language and culture in a context that is relevant to their own interests and experiences; therefore, students learn that language is an expressive tool that is used to define themselves, their families, their school environment, and other areas related to their daily lives.

Meets Fine Arts /Foreign Language Graduation Requirements
Meets the UC/CSU “e” Requirement
SPANISH I

Grades: 9-12  10 Credits  Year

Prerequisite:  Recommend grade of “C” or better in English.

This course begins to develop the skills of understanding, reading, speaking, and writing Spanish. Students will acquire basic Spanish by participating in various language learning activities in meaningful contexts in the target language. Students gain proficiency in Spanish through comprehensible input, vocabulary development, telling stories, reading stories, and continual recycling of vocabulary and grammatical structures. Students will also gain understanding of contemporary culture in the Spanish speaking world.

Meets Fine Arts / Foreign Language Graduation Requirements
Meets the UC/CSU “e” Requirement

SPANISH II

Grades: 9-11  10 Credits  Year

Prerequisite:  A grade of "C” or better in Spanish I or placement test.

Students will be required to continue the basic skills necessary to survive in practical language situations. More emphasis will be placed on reading, writing, and oral communication. The course offers a more comprehensive study of the phonetic system of the Spanish language. The course reviews material presented in Spanish I and introduces a more advanced grammar. More extensive vocabulary and idioms will be introduced. Further understanding of Spanish history, culture, and geography will be studied by means of selected readings.

Meets Fine Arts / Foreign Language Graduation Requirements
Meets the UC/CSU “e” Requirement

SPANISH III

Grades: 10-12  10 Credits  Year

Prerequisite:  A grade of "C” or better in Spanish II or placement test.

Students will continue the basic skills necessary to survive in a practical language situation. Increasing emphasis will be placed on reading, writing, and oral communication. This course presents an in-depth study of the phonetic system of the Spanish language. All material basic to Spanish II will be reviewed. Vocabulary and idiomatic expressions will be amplified to meet more sophisticated language situations. The history, geography, and literature of Spanish countries will be studied by means of text and selected readings.

Meets Fine Art / Foreign Language Graduation Requirements
Meets the UC/CSU “e” Requirement
SPANISH I FOR SPANISH SPEAKERS

Grades: 9-12  
10 Credits  
Year

Prerequisite:  Spanish Placement Test

This course is designed for students who speak and understand Spanish. The course is presented by the instructor in Spanish only and all students enrolled in the course should be able to understand. This introductory Spanish course would focus on the following areas: reading, writing, oral, vocabulary, and culture. Students will be exposed to basic grammatical and new vocabulary concepts that will build up their writing and reading skills. Students will practice different exercises in the areas of reading and writing that will expand their knowledge of the language. After the completion of this course, students will be able to read and write a basic level and would be ready for the next Spanish level. A letter of “C” or better will be required to advance to the next Spanish level.

Meets Fine Arts / Foreign Language Graduation Requirements
Meets the UC/CSU “e” Requirements

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SPANISH II FOR SPANISH SPEAKERS

Grades: 9-12  
10 Credits  
Year

Prerequisite:  Placement test, grade of “C” or better in ELD or English

This course is designed for the student who is bilingual or whose primary language is Spanish. Class will be taught exclusively in Spanish. Students will develop and expand their knowledge of the language while emphasizing reading and writing. The Spanish speaker will learn the grammatical elements of Spanish through content. Focus will be on reading and writing more effectively. Critical thinking skills will be developed through literature. Writing skills will be emphasized in meaningful context. The development of Spanish skills will help produce bilingual and bicultural students who are better equipped to perform in today’s society.

Meets Fine Arts / Foreign Language Graduation Requirements
Meets the UC/CSU “e” Requirement

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SPANISH III FOR SPANISH SPEAKERS

Grades: 9-12  
10 Credits  
Year

Prerequisite:  A grade of “C” or better in Spanish II for Spanish Speakers or placement test.

This course is designed for the student who is bilingual and whose primary language is Spanish. Class will be taught exclusively in Spanish. Students will develop and expand their knowledge of the language while emphasizing reading and writing. The Spanish speaker will continue to learn the grammatical elements of Spanish through content. Intense focus will be on reading and writing effectively. Critical thinking skills will be emphasized through literature. Writing skills will be emphasized in meaningful context. The mastery of Spanish skills will produce bilingual and bicultural students who are better equipped to perform in today’s diverse society.

Meets Fine Arts / Foreign Language Graduation Requirements
Meets the UC/CSU “e” Requirement
PRE-AP SPANISH LITERATURE
Grades: 9-12
10 Credits
Year
Prerequisite: Completion of Spanish III with a “C” or better or Aprenda NCE score of 50 or higher.

This course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop basic proficiencies across the full range of communication modes (interpersonal, presentational, and interpretative), and hone their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the readings. The course also includes a focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism).

Meets the Fine Arts/Foreign Language Graduation Requirement
Meets the UC/CSU “e” Requirement
Meets the NCAA Requirement

ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE
(SPANISH IV)
Grades: 9-10
10 Credits
Year
Prerequisite: Completion of Spanish II, Spanish III, or Spanish Speakers III with a grade of “C” or better, or a passing score on the Foreign Language placement test. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

The AP Spanish Language and Culture course is a rigorous course taught exclusively in Spanish that requires students to improve their proficiency across the three modes of communication. The course focuses on the integration of authentic resources including online print, audio, and audiovisual resources, as well as traditional print resources that include literature, essays, and magazine and newspaper articles with the goal of providing a rich, diverse learning experience. Students communicate using rich advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level. The course is divided into thematic units which are further based on recommended contexts and guided by essential questions. Corresponding cultural elements are integrated into the study of the units, and activities are directed with those cultural connections in mind. Discussion of the topics completely in Spanish is a requirement for this course. It is assumed that students have previously been exposed to advanced language structures in the courses leading up to the AP Spanish Language and Culture course.

Meets Fine Arts/Foreign Language Graduation Requirement
Meets the UC/CSU “e” or “g” Requirement
Approved by College Board Audit
ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE  
(Spanish V)

Grades: 10-12  10 Credits  Year

**Prerequisite:** Completion of Spanish IV with a grade of "C" or better, or teacher's approval. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Students will study selected works from literatures of Spain and Spanish America. They will read and analyze literature orally and in writing in Spanish. Students will gain competency in understanding a lecture in Spanish and will participate actively in discussions on literary topics. They will read literary texts in all genres of Spanish and critically analyze the form and content of literary works including poetry. This course emphasizes those skills necessary to prepare for the Advanced Placement Spanish Literature Test.

*Meets the Fine Arts/Foreign Language Requirement*
*Meets the UC/CSU "e" or "g" Requirement*
*Approved by College Board Audit*


TRANSLATION AND INTERPRETATION 1

Grades 9-12  10 Credits  Year

**Prerequisite:** Completion of Spanish 3 with a “B” or better.

This course is an introduction to the theory and practice of Translation and Interpretation, both from Spanish to English and English to Spanish. Students learn the fundamentals of translation in a variety of fields: legal, medical, literary, business, commercial, media, and in other domains. The course includes translation and interpretation techniques and supervised practice. This class is conducted in both Spanish and English, and the instructional materials and activities are bilingual as well.

*Meets the Vocational Arts Graduation Requirement*
HONORS

Summary of Courses

Mathematics:
- Honors Algebra 2
- Honors Geometry
- Honors Pre-Calculus

Science:
- Honors Biology
- Honors Chemistry
- Honors Geophysical Science
- Honors Physics

Social Studies:
- Honors Economics
- Honors United States History
- Honors World Geography
- Honors World History

Availability of Honors courses is determined by student interest and staff availability.
# MATHEMATICS

## HONORS ALGEBRA 2

<table>
<thead>
<tr>
<th>Grades: 10</th>
<th>10 Credits</th>
<th>Year</th>
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</table>

**Prerequisite:** A or B in Honors Geometry

An advanced Algebra 2 course, this is part of a sequence of courses that serves students who are advanced in mathematics and prepares them for Advanced Placement Calculus and Statistics. This course will include all of the Common Core Algebra 2 standards, including advanced (+) standards.

Meets the Mathematics Graduation Requirement  
Meets the UC/CSU “c” Requirement

## HONORS GEOMETRY

<table>
<thead>
<tr>
<th>Grade: 9</th>
<th>10 Credits</th>
<th>Year</th>
</tr>
</thead>
</table>

**Prerequisite:** A or B in Accelerated Math8/For 2015, A or B in Accelerated Algebra 1

An advanced Geometry course, this is part of a sequence of courses that serves students who are advanced in mathematics and prepares them for Advanced Placement Calculus and Statistics. This course will include all of the Common Core Geometry standards, including the advanced (+) standards.

Meets the Mathematics Graduation Requirement  
Meets the UC/CSU “c” Requirement

## HONORS PRE-CALCULUS

<table>
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<tr>
<th>Grades: 10-12</th>
<th>10 Credits</th>
<th>Year</th>
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**Prerequisite:** “B” or higher in Geometry and Algebra II

This course concentrates on the circular trigonometric functions: their graphs, inverses, and fundamental identifies. Vectors, logarithms, and trigonometric representation of complex numbers are covered. Also covered are sequences, probability and statistics, conics, polar coordinate equations and limits and derivatives. This course is a prerequisite for calculus and is designed for students who will take Calculus BC and others who plan to enter high-level technical careers.

Meets the Mathematics Graduation Requirement  
Meets the UC/CSU “c” Requirement
SCIENCE

HONORS BIOLOGY

Grades: 9-12  10 Credits  Year
(9th Grade "B" or Better in Algebra I/Math I)

Prerequisite: Completion of Honors Geophysical Science with a grade of "B" or better or teacher recommendation or identified GATE student. This course is taken by honor level students in lieu of Biology.

Honors Biology is an expanded laboratory science course covering the California State Science Standards which includes: chemical nature of life, anatomical relationships showing relatedness of all life (taxonomy), growth and reproduction, genetic principles, cellular basis of life, biochemistry, organic variation (evolution), comparative anatomy and physiology, human evolution, human physiology/anatomy, general ecological principles. In addition to the basic topics mentioned, the course also covers advanced topics like philosophy of science, current concepts/theories, history of biology/philosophy, genetic engineering and related topics.

Meets the Life Science Graduation Requirement
Meets the UC/CSU “d” Requirement

HONORS CHEMISTRY

Grades: 10-12  10 Credits  Year

Prerequisite: Identified GATE student or completion of Honors Geophysical and Biology/Honors Biology with a grade of "A" or "B." Permission of instructor or previous science instructor and concurrent enrollment in college prep math course, Algebra II or higher recommended. This course is taken by honors students in lieu of Chemistry.

This is an advanced introductory chemistry course that covers the California State Science Standards. The aim of the course is to enable students to develop a better understanding of their physical world and to prepare students for the rigors of a "like college" course. The central theme of the course is the basic principle that the properties of matter are a consequence of the structure of matter. The course takes a balanced approach in accomplishing this by combining chemical theories, concepts, and quantitative problems with applications and current practices of chemistry to develop interest and curiosity of students. Twenty-five percent of the course is devoted to a laboratory program. This portion of the course actively involves the student in determining the relationship between experimental evidence and scientific belief.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” Requirement
HONORS GEOPHYSICAL SCIENCE

Grade: 9 10 Credits Year

Prerequisite: Grade of “B” or better in last math and science classes.

Honors Geophysical Science is a melding of earth science, astronomy, chemistry, and physics. This course builds within students a strong conceptual and mathematical base in these areas. Add the development of laboratory techniques and skills to this base and students will have mastered the science standards needed to succeed in biology, chemistry, and physics. Topics are studied conceptually and mathematically with a strong emphasis on laboratory techniques. Students develop the knowledge and skills identified in State standards for this course.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “g” Requirement

HONORS PHYSICS

Grades: 11-12 10 Credits Year

Prerequisite: Completion or concurrent enrollment in Algebra II or higher. Completion of Chemistry/Honors Chemistry or Honors Geophysical with a grade of “B” or better.

Honors Physics explores the basic nature of our universe. This includes motion, forces, energy, matter, heat, sound, light, and atomic structure. Great emphasis is placed on developing students' problem-solving, laboratory, and engineering skills. Learning the proper study skills for introductory college science courses is an important goal of this course. Students learn science as a multi-disciplinary endeavor. The limitations of science are stressed, giving students the ability to evaluate new technologies.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” Requirement
SOCIAL STUDIES

HONORS ECONOMICS

Grade: 12  
5 Credits  
Semester

Prerequisite: Successful completion of U.S. History in the 11th grade (C or better and teacher recommendation)

Students will explore the following elements of economics:

Micro Economics: Coverage includes economics of households, business firms, and markets; consumer behavior and the demand for commodities; production, costs, and the supply of commodities; price determination; competition and monopoly; efficiency of resource allocation; governmental regulation; income distribution; and poverty.

Macro Economics: National economic performance; the problems of recession, unemployment, and inflation; money creation; government spending and taxation; economic policies for full employment and price stability; and international trade and payments.

Meets the Economics Graduation Requirement
Meets the UC/CSU “a” Requirement

HONORS UNITED STATES HISTORY

Grade: 11  
10 Credits  
Year

Prerequisite: Successful completion of World History in the 10th grade (C or better and teacher recommendation)

This course will primarily focus on the founding of the United States through the present-day. Included in the course is an overview and political analysis of America's continual search for its appropriate role in the world. The course examines the assumptions, theories, and concepts that have shaped and continue to influence American policies domestically and in the international arena. Students approach their study of United States affairs by the use of contemporary analytic methods and investigative techniques of the social sciences and the historical, cultural, and philosophical contexts in which events have occurred. This course also includes components that satisfy the Common Core State Standards in History/Social Sciences. Skills development is enhanced with a concentration on critical thinking, writing, and developing the ability to reason and experiment with solutions to issues that challenge citizens in a democratic society.

Meets US History Graduation Requirement
Meets the UC/CSU “a” Requirement

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**HONORS WORLD GEOGRAPHY**

Grade: 9  10 Credits  Year

**Prerequisite:** Successful completion of US History and English in the 8th grade (C or better)

Honors World Geography is a college-preparatory course (for 10th grade AP World History). The course is covered conceptually and explores topics such as Physical Geography, Human Geography, Change, Political Geography, Economics, and Globalization. This course will include lecture, note taking, independent practice, group projects, cooperative learning, student led projects, document based question analysis, essay and short writing assignments.

*Meets the Elective Graduation Requirement*
*Meets the UC/CSU “a” Requirement*

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**HONORS WORLD HISTORY**

Grade: 10  5/10 Credits  Semester/Year

**Prerequisite:** A “B” or better in English 9/World Geography (teacher recommendation/departmental approval after reviewing application)

World History at the tenth grade level is a survey course that gives students the opportunity to explore recurring themes of human experience common to civilizations around the globe from the 1700s to contemporary times. A historical approach will be at the center of the course while students also develop and fine-tune their writing skills. An analysis of the cultural traits of civilizations will help students understand how people share their world and how their world shapes them. As students examine the historical roots of significant events, ideas and movements, they encounter the contributions and patterns of civilizations around the world. Students broaden their historical perspectives as they explore ways societies have dealt with stability and change, exemplified by issues such as war and peace, internal stability and strife, and the development of varying institutions. To become informed citizens, students require knowledge of the civilizations that have shaped the development of, not only the United States, but also the world. This course provides the foundation that enables students to acquire this knowledge which will be used in the study of United States History, Government and Economics.

*Meets the Modern World History Requirement*
*Meets the UC/CSU “a” Requirement*
*Meets the NCAA Requirement*
INDUSTRIAL TECHNOLOGY

Summary of Courses

Auto:

- Auto I
- Auto II
- Advanced Small Engine Repair
- Small Engine Repair

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.

Articulated Courses with Riverside Community College

Students who complete articulated courses with a "C" or better (some courses do require a "B" or better) can earn college units for the equivalent course. Students must take 12 units at Riverside Community College (RCC) and then the course will be on their transcript at RCC. If a course is needed as a prerequisite for an advanced class at RCC, students who pass the articulated course in high school with a "C/B" or better will have met the prerequisite and can take the advanced class upon entry to RCC.
AUTO I

Grades: 9-12  
10 Credits  
Year

Prerequisite: None

This course is comprehensive and provides the student with the systematic study of the automobile, its methods of manufacture, material components, and the theory of operation behind them.

Articulated to Riverside Community College’s Auto 50
Meets the Vocational Education Graduation Requirement

AUTO II

Grades: 10-12  
10 Credits  
Year

Prerequisite: Auto I with a recommended grade of "C" or better.

This course is designed to teach basic and advanced automobile tune-up and electrical procedures, and to acquaint the student with hand tools and test equipment needed to successfully tune today's automobiles. This course may be repeated for credit.

Meets the Vocational Education Graduation Requirement

ADVANCED SMALL ENGINE REPAIR

Grades: 9-12  
5 Credits  
Semester

Prerequisite: Small Engine Repair with a required grade of "C" or better.

Students will learn skills that will allow them to get jobs in the small engine repair field. This will include carburization, lubrication, governors, and ignition systems. The study will also cover simple machining, such as valve guide installations, main bearing installations, and valve grinding.

Meets the Vocational Education Graduation Requirement

SMALL ENGINE REPAIR

Grades: 9-12  
5 Credits  
Semester

Prerequisite: None

This course covers safety, tools, and an in-depth study of parts of a 4-cycle internal combustion engine and the use of micrometers. This will be accompanied with hands-on experience in the shop by having each student rebuild a small engine. Student must provide a small engine.

Meets the Vocational Education Graduation Requirement
JOLT
(Jurupa Online Learning Team)

Summary of Courses

**Business and Administration Cluster:**
- Business Law – JOLT
- Career Management – JOLT
- Office Applications I: Microsoft® Word®, PowerPoint®, and Publisher® – JOLT
- Office Applications II: Microsoft®, Excel®, and Access® – JOLT
- Principles of Business and Finance – JOLT
- Small Business Entrepreneurship – JOLT
- Technology and Business – JOLT

**Health Science Cluster:**
- Careers in Allied Health – JOLT
- Forensics: Using Science to Solve a Mystery – JOLT
- Introduction to Careers in the Health Sciences - JOLT
- Nursing: Unlimited Possibilities and Unlimited Potential – JOLT
- Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors – JOLT
- Public Health: Discovering the Big Picture in Health Care – JOLT
- Scientific Discovery and Development – JOLT
- Therapeutics: The Art of Restoring and Maintaining Wellness – JOLT

**Hospitality and Tourism Cluster:**
- Food and Beverage Management – JOLT
- Food Safety and Sanitation – JOLT
- Introduction to Hospitality and Tourism Systems – JOLT
- Lodging Operations Management – JOLT
- Marketing and Sales for Tourism and Hospitality – JOLT
- Planning Meetings and Special Events – JOLT
- Sustainable Service Management for Hospitality and Tourism – JOLT
- Transportation and Tours for the Traveler – JOLT
Summary of Courses Continued

- Algebra I/Math I – JOLT
- Algebra II – JOLT
- American Government – JOLT
- Art History – JOLT
- Biology – JOLT
- Civil War – JOLT
- Consumer Math – JOLT
- Economics – JOLT
- English 9 – JOLT
- English 10 – JOLT
- English 11 – JOLT
- English 12 – JOLT
- Geometry – JOLT
- Geophysical Science – JOLT
- Health – JOLT
- Integrated Math – JOLT
- Music Appreciation – JOLT
- Music Theory – JOLT
- Personal and Family Living – JOLT
- Personal Financial Literacy – JOLT
- Physical Education – JOLT
- Psychology – JOLT
- Twentieth Century American History – JOLT
- United States History – JOLT
- Vietnam Era – JOLT
- World Geography – JOLT
- World History – JOLT

All classes listed as JOLT are completed online using an online computer software program. Students in these courses will need to have access to the internet and will need to ensure that they are comfortable learning in an online environment. Many of these classes may be taken for credit recovery and may not be A-G or NCAA eligible. Students will need to check with their specific school site to determine if the class is A-G or NCAA eligible.
BUSINESS AND ADMINISTRATION CLUSTER

BUSINESS LAW – JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite: None

This course will provide students with an introduction to law and how it affects business. The course will first discuss in the role of law and its impact on business and explain various types of businesses and the legal consequences affecting the formation of particular businesses. Unit II will discuss legal considerations in transacting business, and emphasize the importance of contracts and torts in business law. Unit III will focus on ethics and business regulation by discussing the differences between civil and criminal law, and the state and federal regulation of business. Unit IV will cover the globalization of business and emphasize intellectual property rights and e-commerce considerations, and discuss the promotion of regional and international trade, highlighting various treaties and international organizations. In conclusion, Unit V will first discuss consumer, environmental and individual business protections (e.g., bankruptcy) to consider in business decisions and end by discussing alternative dispute resolution and resolving potential or existing disputes in business through negotiation, arbitration and mediation. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

CAREER MANAGEMENT - JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite: None

In this course, students will identify personal interests, aptitudes, and learning styles to determine personally satisfying careers. There will be a number of careers to choose from. Considering lifestyle goals, educational interests, values, and traits will assist in identifying specific careers from among those that matched interests, aptitudes, and learning styles. Once a specific career has been selected, in-depth research of that career will allow the student to prepare a plan to acquire qualifying skills in that field. Implementation of a career plan will include acquiring additional skills and knowledge through both continued education and personal growth. Once qualifications have been met, employment application documents and interviewing skills will be required to secure employment. Lifelong learning will increase career performance and personal satisfaction. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
OFFICE APPLICATIONS I: MICROSOFT® WORD®, POWERPOINT®, AND PUBLISHER® - JOLT

Grades: 9-12  
5 Credits  
Semester

Prerequisite: None

This course gives students in understanding application skills in Microsoft® Word®, Publisher® and PowerPoint® 2010. Students will use these applications to design, develop, create, edit, and share business documents, publications and presentations. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

OFFICE APPLICATIONS II: MICROSOFT EXCEL® AND ACCESS® - JOLT

Grades: 9-12  
5 Credits  
Semester

Prerequisite: None

This course explores the use of application skills in Microsoft Excel® and Microsoft Access®. Students will use these applications to design, develop, create, edit, and share business spreadsheet and database documents. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

PRINCIPLES OF BUSINESS AND FINANCE – JOLT

Grades: 9-12  
5 Credits  
Semester

Prerequisite: None

This course introduces students to the world of business, including principles and practices of working for, managing, and starting a business. Topics include legal definitions of business, principles of capitalism; business operations and operational sectors within a business; principles of marketing; principles and strategies of management and leadership; principles of business finance; methods, strategies, and purposes of communication within the business worked; introduction to international business; and preparing to enter the business world. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
SMALL BUSINESS ENTREPRENEURSHIP - JOLT
Grades: 9-12 5 Credits Semester

Prerequisite: None

This course is designed to provide an overview on running a business from start to finish. It examines the skills needed to effectively organize, develop, create, and manage a small business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

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TECHNOLOGY AND BUSINESS - JOLT
Grades: 9-12 5 Credits Semester

Prerequisite: None

This course teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the work place or postsecondary education. Students will gain an understanding of emerging technologies, operating systems, and computer networks. In addition, they create a variety of business documents including complex word-processing documents, spreadsheets with charts and graphs, database files, and electronic presentations. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
HEALTH SCIENCE CLUSTER

CAREERS IN ALLIED HEALTH – JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite: None

Also known as “health-related” professions, these careers represent 60% of the health care workforce and encompass up to 200 diverse career options. These professions are placed in broad categories: technicians or assistants and therapists or technologists. Where they are placed is dependent on the level of education and degree of supervision. In this course, we will focus on areas of select allied health careers, such as EMT/Paramedic, Genetic counseling, medical coder, optician, phlebotomist, radiologic and respiratory technicians, registered veterinary technician, and medical illustrator. We will incorporate the key concepts introduced in the first course in each unit. The last unit of this and subsequent courses will include a dichotomous key that allows students to follow a pathway that offers suggestions and further exploration in a variety of additional allied health professions. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

FORENSICS: USING SCIENCE TO SOLVE A MYSTERY – JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite: None

This course focuses on concepts including chain of evidence, ethics, and record keeping. Related professions include: CSI, forensic pathologist, forensic anthropologist, forensic toxicologist, forensic odontologist, medical examiner, forensic nursing, animation, art and photography. A detailed look at DNA analysis and the ethics of DNA technology will also be addressed. There are many opportunities to explore the connection between scientific content, critical thinking, the acquisition of laboratory skills, and the use of computers for online research. Case studies will be introduced, as well as techniques using in each of these disciplines that will allow students to explore the career opportunities while revisiting key concepts (ethics, privacy, chain of evidence, etc.). The dichotomous key at the end of the course will allow for further exploration of additional nursing careers and will serve as a course career summary. Curriculum is delivered via Jurupa Online Learning Team (JOLT) computer based instruction.
INTRODUCTION TO CAREERS IN THE HEALTH SCIENCES - JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite: None

This course provides an overview of health careers and overriding principles central to all health professions. Units include (1) science and technology in human health, (2) Anatomy, physiology, and disease development; (3) privacy, ethics, and safety in health care, (4) Communication and teamwork in the health care environment (5) Health careers; creating a diverse workforce of lifelong learners. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

NURSING: UNLIMITED POSSIBILITIES AND UNLIMITED POTENTIAL – JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite: None

The field of nursing includes a wide variety of career options and specialties. It is listed in the Bureau of Labor and Statistics as one of the top ten occupations with the largest job growth in the US. This section will focus on different types of nursing licenses (CAN, LVN, RN, BSN and FNP) and examples of several nursing careers from the traditional nurse to the family nurse practitioner, nurse midwife, nurse anesthesiologist, and nursing informatics, and public health nurse. Key concepts will be integrated into each unit exploring these professions and case studies will allow students to apply critical thinking skills to problem solving. The dichotomous key at the end of the course will allow for further exploration of additional nursing careers and will serve as a career summary. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

PHYSICIANS, PHARMACISTS, DENTISTS, VETERINARIANS, AND OTHER DOCTORS – JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite: None

This course will focus on professional degrees such as physician (allopathic (MD), osteopathic (DO), and naturopathic (ND), chiropractic (DC), pharmacist (PharmD), Dentist (DDS), Podiatrist (DPM), Veterinarian (DVM) and will also include PA, although this is currently not a doctoral degree in most states. Traditional and complementary/alternative medical careers are included in this course. This course will also introduce the topics of diversity and the move toward an emphasis on social and cultural skills in medicine, in addition to academic ability. As with previous courses, key concepts will be included throughout, skills will be highlighted, and a dichotomous key will be available at the end of the Unit for self-exploration of additional career options. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
PUBLIC HEALTH: DISCOVERING THE BIG PICTURE IN HEALTH CARE – JOLT

Grades 9-12 5 Credits Semester

Prerequisite: None

This course will introduce the discipline of public health and its many related occupations. The role of PH in protecting the public from hazards, promoting good health, determining risk factors for disease, and measuring the impact of programs and/or effectiveness of drugs, vaccines, and treatments will be included. In addition, issues of global health and the roles of the CDC and the WHO will also be discussed. Finally, future public health challenges in the 21st century will encourage students to recognize issues of public health interest and concern in their daily lives. A dichotomous key at the end of Unit 5 will give students the opportunity to determine which public health career suits them best. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

SCIENTIFIC DISCOVERY AND DEVELOPMENT – JOLT

Grades: 9-12 5 Credits Semester

Prerequisite: None

This course looks at both clinical and research and development careers associated with health science. Nationally, the workforce in clinical laboratory science is aging and the demand, already high, will increase over time. This is especially true since technology is changing so rapidly. Focus will cover such careers as clinical Laboratory Scientists (CLS), Clinical Lab Technicians (CLT), Medical Technologists (MT), Med Lab Technicians (MLT), histotechnologists, and cytogenetics. In research and development, students will explore careers such as medical scientist, medical anthropology, economics, sociology, and psychology. “Hot topic(s)”, identified as on the cutting edge of science and perhaps controversial, will be discussed in detail, encouraging discussion and debate. Students will understand the complexities in R&D of the need to report exactly what is observed without bias and without imposing the preconceived notion of expected results. Following this logic, some serendipitous discoveries, in which major medical discoveries arose “by accident”, will be discussed. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

THERAPEUTICS: THE ART OF RESTORING AND MAINTAINING WELLNESS – JOLT

Grades: 9-12 5 Credits Semester

Prerequisite: None

Focus on careers that help restore and maintain mobility and physical and mental health, this course will cover such professions as Physical Therapists, Clinical psychologists, Occupational Therapists, Respiratory Therapists, athletic trainers, massage therapists, dietician and dietetic technicians, art therapists, neurotherapists, physical therapy assistants, vocational rehab counselors, surgical technologists, and social workers. Key concepts and specific skill sets will be introduced in the lessons, allowing students to apply what they have learned to health careers. A dichotomous key at the end will allow fur further exploration of similar health careers. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
HOSPITALITY AND TOURISM CLUSTER

FOOD AND BEVERAGE MANAGEMENT – JOLT

Grades: 9-12
5 Credits
Semester

Prerequisites: None

Students will examine the basics of management in the food and beverage area in this overview course. Topics to be covered include: menu planning and pricing, types of service styles, food and beverage marketing, facility design and layout and financial controls and other required areas for successful food and beverage management. Students will develop an understanding of how knowledge and application of food and beverage management principles while providing exceptional guest service can maximize profits for the hospitality industry. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

FOOD SAFETY AND SANITATION – JOLT

Grades: 9-12
5 Credits
Semester

Prerequisite: None

This comprehensive course will cover the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well being of staff, guests, and customers. The course will provide a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. After successful completion of this course, students will be prepared to meet the requirements of state and national certification exams. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

INTRODUCTION TO HOSPITALITY AND TOURISM SYSTEMS – JOLT

Grades: 9-12
5 Credits
Semester

Prerequisites: None

The introductory course establishes a foundation for the concept of tourism, travel, and hospitality as a system. It includes the study of the importance of interrelated system activities and discusses the components integral to international and domestic travel and tourism: destination planning and development, tour and travel distribution systems, transportation systems, attraction and entertainment systems and the hospitality industry. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
LODGING OPERATIONS MANAGEMENT – JOLT
Grades: 9-12 5 Credits Semester
Prerequisites: None

This course presents a systematic approach to the operation of a lodging facility by detailing the flow of business from check in to check out and how the operations of the rooms division impact the overall operation of a hotel. Emphasis on the functions of the rooms division in relation to other key departments within the hotel such as food and beverage, security and loss prevention, sales and marketing, accounting will also be covered. This course serves as preparation for a career in the lodging industry with emphasis on front office operations. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

MARKETING AND SALES FOR TOURISM AND HOSPITALITY – JOLT
Grades: 9-12 5 Credits Semester
Prerequisites: None

This course is designed as an introduction to the study of tourism and hospitality marketing and sales. Students will be introduced to marketing theory and how the basic principles of marketing are applied in hospitality and tourism. The relationship between marketing and other functions such as advertising, sales techniques and public relations to maximize profits in a hospitality organization will be covered. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

PLANNING MEETINGS AND SPECIAL EVENTS – JOLT
Grades: 9-12 5 Credits Semester
Prerequisites: None

This course offers an overview of the meetings and events industry, the wide range of responsibilities required of the people who manage meetings and special events and skills necessary to successfully direct meetings and special events. The student is introduced to key areas required for supporting a meeting or an event including concepts of design, research, planning, organization, logistics, marketing, promotion, and evaluation. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
SUSTAINABLE SERVICE MANAGEMENT FOR HOSPITALITY AND TOURISM – JOLT

Grades: 9-12 5 Credits Semester

**Prerequisites:** None

This course will introduce the student to the management issues relating to service, quality assurance and sustainability in global tourism, and travel and hospitality. It includes an in-depth examination by the student of the concept of service and components of the most important functional areas of businesses providing tourism, travel, and hospitality. It introduces the student to the concept of quality as a basic function of the service sector management system and examines the sustainability of the service product. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

TRANSPORTATION AND TOURS FOR THE TRAVELER – JOLT

Grades: 9-12 5 Credits Semester

**Prerequisite:** None

This course examines transportation and tour services for the traveler. This examination focuses on the relationship between operations and management within tourist transportation systems, the regulatory bodies impacting the tourist transportation systems, and transportation services for use by tourists. The course reviews international and domestic organizations responsible for marketing tour products and services, the types of tours and the operations responsible for tour design and operation and studies the specific marketing, development, and operation of package tours by those tour operators. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
ALGEBRA I/MATH I – JOLT

Grades: 9-12
10 Credits

Year

Prerequisite: None

Algebra I/Math I covers the fundamental properties of the real number system. Topics include simplifying algebraic expressions, laws of exponents, solving first and second-degree linear equations and inequalities, solving systems of equations and inequalities, functions and function notation, graphs of linear and quadratic functions, radical equations and the quadratic formula. Many problems are presented in context and students are required to read, interpret and solve such problems. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Mathematics Graduation Requirement

ALGEBRA II – JOLT

Grades: 9-12
10 Credits

Year

Prerequisite: Grade of “C” or better in both semesters of Geometry

This course reviews and extends all that is taught in Algebra I/Math I to a higher degree of sophistication. Topics covered include: solving systems of equations, graphing first- and second-degree relations, polynomials, logarithms, exponential functions, sequences, series, binomial expansion, permutations, and combinations. This course also includes an introduction to complex numbers. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Mathematics Graduation Requirement

AMERICAN GOVERNMENT - JOLT

Grade: 12
5 Credits

Semester

Prerequisite: None

This course in American Government is concerned with the organization and function of the national state and local government in the United States. Emphasis is placed upon the citizen's relationship to each level of government. World government philosophies are reviewed and comparatively analyzed. Service-learning hours can be a component of the class. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Social Science Graduation Requirement
ART HISTORY – JOLT

Grades: 9-12 10 Credits Year

Prerequisite: None

Art History is designed to enable students to develop knowledge of the history and theory of art and the relationship between artist, artwork, and society. Students will research and critique periods, styles, and works of art from early civilizations through modern and contemporary art. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Fine Arts Graduation Requirement

BIOLOGY - JOLT

Grades: 9-12 (Grades 10-12 at PHS) 10 Credits Year

Prerequisite: A grade of "C" or better in Algebra I/Math I (or concurrent enrollment in Algebra I/Math I at JVHS & RHS)

Biology is an advanced laboratory science course covering the California State Science Standards which includes: characteristics of life; the chemical and structural basis of life; basic biochemistry; cellular composition; growth and reproduction; principles of genetics and heredity; theories of evolution; anatomy and physiology; and ecological relationships among all organisms. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Life Science Graduation Requirement

CIVIL WAR – JOLT

Grades: 9-12 5 Credits Semester

Prerequisite: None

The Civil War is a tale of two children (the North and the South) living under the same roof (The United States) and how they disagreed over the issues of states’ rights and slavery. As student study the Civil War they will detect patterns in the way people thought and acted. They will see familiar patterns in how battles were won and lost. They will also note how events happening today affect the future. The principle of cause and effect applies in everything one does. Even today, there are some people who believe the South won the Civil War or that the North had no right to abolish slavery. Others cannot believe that people from the South found nothing wrong with enslaving fellow human beings. For all these people, their view of history differs from one another based on their perspective. This period in American history is filled with heroism and cowardness, conflict and cooperation, heartache and joy, triumph and tragedy. Students will be able to apply the enduring lessons to advance their understanding of America. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
CONSUMER MATH – JOLT

Grades: 9-12 5 Credits Semester

Prerequisite: None

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

*Meets the Mathematics Graduation Requirement*

ECONOMICS - JOLT

Grade: 12 5 Credits Semester

Prerequisite: None

Economics introduces the students to the basic principles of economics and the fundamental operations of the American system of free enterprise. The students will learn about effective decision making, using microeconomic and macroeconomic theory in terms of supply and demand theory, the Federal Reserve System, energy and economics, as well as the comparison of other economic systems of the world. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

*Meets the Social Science Graduation Requirement*

ENGLISH 9 - JOLT

Grade: 9 10 Credits Year

Prerequisite: None

English 9 is required for all ninth-grade students. This course is designed to familiarize students with the four literary genres, ninth-grade District standards, literary terms, literary analysis, and various modes of written and oral communication from State standards. The course is designed to emphasize major human values and issues through literature and writing instruction, effective training in speaking and listening and direct vocabulary instruction. Students will be expected to identify, organize and produce written and oral presentations that demonstrate understanding of language structure. This course gives students a basis from which they can develop greater analytical and evaluative skills. The course integrates strategies to assist limited-English proficient students. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

*Meets the English Graduation Requirement*
## ENGLISH 10 - JOLT

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<th>Grade: 10</th>
<th>10 Credits</th>
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<td><strong>Prerequisite:</strong></td>
<td>None</td>
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English 10 is required for all tenth-grade students. This course integrates composition and world literature studies of various genres with an emphasis on major human values and issues, written, oral expression, and argument. Student writing is developed through response to literature including paraphrase, inter-reflection, summary, modeling, and personal opinion. It will include paragraph patterns of factual detail, illustration, comparison and contrast. World literature is used as the basis for developing logical and descriptive speaking and writing skills through discussion and reports. Grammar and vocabulary are taught through a literature-based core curriculum. This course integrates strategies to assist limited-English proficient students. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

*Meets the English Graduation Requirement*

## ENGLISH 11 - JOLT

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<th>Grade: 11</th>
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<td><strong>Prerequisite:</strong></td>
<td>None</td>
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American Literature is designed to familiarize students with their literary heritage by acquainting them with the historical, geographic, economic, sociological, and religious forces which have shaped American life and thought as these concepts are reflected in the writings of representative authors. The course will further student skills in the use of literary terms, literary analysis, and various modes of written and oral communication. The first semester covers 1600 to 1865 and the second semester includes 1865 to the present time with concentration on modern and contemporary styles. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

*Meets the English Graduation Requirement*

## ENGLISH 12 - JOLT

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<th>Grade: 12</th>
<th>10 Credits</th>
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<tr>
<td><strong>Prerequisite:</strong></td>
<td>None</td>
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This course is designed to acquaint students with historical, economic, sociological, and religious content of British literature from the early Medieval period through early 20th century writings. The course integrates literature with writing skills such as literary analysis, reflective writing, report of information, and creative writing through various modes of written and oral communication. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

*Meets the English Graduation Requirement*
GEOMETRY – JOLT

Grades: 9-12  10 Credits  Year

Prerequisite: Grade 9: 8th grade placement based on coursework, TOS, CST scores
Grade 10-12: Grade of “C” or better in both semesters of Algebra I/Math I

Geometry is the study of points, lines, and areas of a single plane, and includes some extensions into three-dimensional space. Emphasis is also placed on creating a consistent set of axioms and using deductive reasoning to write proofs and derive theorems. Students need to have a strong foundation in algebraic concepts. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Mathematics Graduation Requirement

GEOPHYSICAL SCIENCE - JOLT

Grades: 9–12  10 Credits  Year

Prerequisite: None

Geophysical Science is the combination of earth and physical sciences. Earth Science is a course designed to present modern earth, space, and meteorological concepts to students on a first-time exposure basis. The course focuses on interaction with the environment which will lead students to an appreciation of the constant forces that are building up and wearing down the earth's surface, and the balance maintained between them. Physical Science is designed to present modern earth, space, and meteorological concepts to students in three physical science study areas: 1) physics, 2) chemistry, and 3) astronomy. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Physical Science Graduation Requirement

HEALTH – JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite: None

High School Health is a health science elective course that introduces students to what good health is, why good health is important, and what students should do in order to achieve good health. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.
INTEGRATED MATH – JOLT

Grades: 9-12 10 Credits Year

Prerequisite: Successful completion of Algebra I/Math I

Integrated Math is a mathematics course for high school students who have successfully completed Algebra I/Math I but are not appropriately prepared to enter straight into Geometry. Throughout the course, students will practice algebraic thinking and use algebra to model and solve real world problems. Students are exposed to several branches of mathematics and will explore ways in which each one can be used as a mathematical model in understanding the world. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Mathematics Graduation Requirement

MUSIC APPRECIATION – JOLT

Grades: 9-12 5 Credits Semester

Prerequisite: None

The course will provide instruction in basic musical elements, trace the development and growth of classical music, and give students a strong foundation for a greater appreciation of music. Students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments. Students will learn the names and backgrounds of several famous musical composers. Students will also learn how and where classical music began, how it developed over the centuries, and the ways in which music and culture affect each other. Lastly, students will examine the ways modern music has been influenced by classical music. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Fine Arts Graduation Requirement

MUSIC THEORY – JOLT

Grades: 9-12 5 Credits Semester

Prerequisite: None

Music Theory requires no prior instrumental, vocal, or music theory study. Using the piano keyboard as a visual basis for comprehension, the course materials explore the nature of music, integrating these concepts: rhythm and meter, written music notation, the structure of various scale types, interval qualities, melody and harmony, the building of chords, and transposition. Throughout the series of assignments, ear training exercises are interspersed with the bones of composition technique, building in students the ability not only to hear and appreciate music, but step-by-step, to create it in written form as well. This course is offered on-line. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Fine Arts Graduation Requirement
PERSONAL AND FAMILY LIVING – JOLT

Grades: 9-12 5 Credits Semester

Prerequisite: None

The semester-long high school elective takes students on an interactive exploration of the challenges they may face as they transition into adulthood, including constructive conflict resolution, nutrition and health, building healthy families, financial responsibility, and long-term employment. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

PERSONAL FINANCIAL LITERACY – JOLT

Grades: 9-12 5 Credits Semester

Prerequisite: None

Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

PHYSICAL EDUCATION - JOLT

Grades: 10-12 5 Credits Semester

Prerequisite: None

Students enrolled in the Physical Education program receive daily practice in achieving the physical skills and fitness necessary to perform well on the California Physical Fitness Test. Students will be periodically retested on California Physical Fitness Test elements throughout the semester. Passing scores on 5/6 elements would allow the student to withdraw from the PE II course at the completion of the semester and enroll in an elective PE course. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Physical Education Graduation Requirement
PSYCHOLOGY - JOLT

Grades: 10-12  5 Credits  Semester

Prerequisite:  None

This course introduces students to basic principles of psychology. Areas of study include: approaches to psychology, behavior, perception and motivation, principles of learning and intelligence, human development, personality, disorders and treatment, attitudes and beliefs. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

TWENTIETH CENTURY AMERICAN HISTORY – JOLT

Grades: 9-12  5 Credits  Semester

Prerequisite:  None

Twentieth Century American History is a social science elective for high school students interested in examining American history during a century of change, continuity, and conflicts. Students will examine America’s economic, political, governmental, cultural, and technological growing pains during the twentieth century. They will also consider the causes and effects of national and international cooperation, competition, and conflict. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

UNITED STATES HISTORY - JOLT

Grade: 11  10 Credits  Year

Prerequisite:  None

United States History examines the important events, ideas, people and movements of the United States in the 20th century. The course begins with two review units; the first covering the rise of democratic ideals and the ideological origins of the Founding Fathers and the American Revolution. The second review unit will emphasize the tests that shaped the new nation in the 19th century including industrialism.

The main study of the 20th century will focus on the topics delineated in the History-Social Studies Framework for California Public Schools. These will include, but not be limited to, the role of the federal government and courts in shaping United States society, establishment of civil and human rights for all Americans, the role of business and the economy in domestic and foreign affairs, affects of technology on American life and culture, and the continuing role of the United States as a world power in the 20th century. The course will be taught using primary sources, literature, drama, art, and technology to enhance the use of the text. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Social Science Graduation Requirement
VIETNAM ERA – JOLT
Grades: 9-12 5 Credits Semester
Prerequisite: None

What comes to mind when you think about the Vietnam Era? For many, that period represents a difficult time in U.S. history. It is defined by an unpopular war that claimed the lives of 58,000 Americans and some 3 million Vietnamese. In this course, you'll look at the history of the Vietnam War. The roots of the conflict stretch further back than you might know. You'll examine why the United States got involved in the conflict and why the United States failed to achieve its objectives. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

WORLD GEOGRAPHY - JOLT
Grade: 9-12 5 Credits Semester
Prerequisite: Proficient on 8th grade CST in History, “B” or better in 8th grade English and History or concurrent enrollment in AVID 9 This course is highly recommended for college-bound students (JVHS); None (PHS, RHS)

World Geography introduces students to the basic principles of geography, land forms, weather, climate, water, natural resources, demographic make-ups, cultural geography, world languages and religions. Emphasis is placed upon major geographical regions of the seven continents including the Pacific World. Map skills will be emphasized and world regions will be comparatively analyzed. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Social Science Graduation Requirement

WORLD HISTORY - JOLT
Grades: 10-12 10 Credits Year
Prerequisite: None

This course examines major turning points in shaping the modern world, from the late 18th century to the present. The course starts with a review of the rise of democratic ideas. Students review the ethical principles of religions of the world and their profound influence on historical developments.

The course focuses on the industrial revolution, rise of imperialism and colonialism, World War I and its consequences, totalitarianism, World War II, and nationalism in the modern world. The students gain an appreciation of cultural diversity while becoming acquainted with the major issues and events which bear upon a worldwide community of increasingly interdependent nations. Curriculum is delivered via the Jurupa Online Learning Team (JOLT) computer based instruction.

Meets the Social Science Graduation Requirement
LANGUAGE ARTS

Summary of Courses

Required: One of the Following at Each Grade Level

- English 9 (Includes Sheltered)
- English 9, Honors
- English 10 (Includes Sheltered)
- English 10, Honors
- English 11 (Includes Sheltered)
- Academy American Literature (English 11)
- English 12 (Includes Sheltered)
- Pre-AP English 9
- Pre-AP English 10
- AP English Language and Composition
- AP English Literature and Composition
- Expository Reading and Writing Course (ERWC)

English Electives
- Academic Support
- AVID ELD
- CAHSEE ELA Intervention Lab
- Creative Writing
- English 9 Tutorial
- English 10 Tutorial
- English Language Development (ELD) I
- English Language Development (ELD) II
- English Language Development (ELD) III
- Journalism
- Mythology
- Publication and Design I
- Reading Lab/English 9-Read 180
- Science Fiction
- Speech

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.
REQUIRED

ENGLISH 9 (Includes Sheltered)

Grade: 9
10 Credits
Year

Prerequisite:  None

English 9 is required for all ninth-grade students. This course is designed to familiarize students with the various literary genres, literary terms, literary analysis, and various modes of written and oral communication. The course is designed to emphasize major human values and issues through literature and writing instruction, effective training in speaking and listening and direct vocabulary instruction. Students will be expected to identify, organize and produce written and oral presentations that demonstrate understanding of language structure. This course gives students a basis from which they can develop greater analytical and evaluative skills. The course integrates strategies to assist limited-English proficient students and California state standards.

Meets the English Graduation Requirement
Meets the UC/CSU "b" Requirement

ENGLISH 9, HONORS

Grade: 9
10 Credits
Year

Prerequisite:  Grade of “B” or better in ELA 8 or identified GATE student or teacher recommendation. This course may require summer reading/writing.

This course is designed to give students extensive practice in analysis evaluation within the various literary genres. Emphasis is placed on SAT I vocabulary development, modes of writing, grade level literary terms, and practice in the utilization of complex grammatical structure. Students will be expected to produce organized written and oral communication that demonstrates the ability to utilize complete grammatical structure. This course is designed to help students develop analytical and evaluation skills in approaching literature and their own writing. This course is enriched and accelerated for the high-achieving student.

Meets the English Graduation Requirement
Meets the UC/CSU “b” Requirement
ENGLISH 10 (Includes Sheltered)

Grade: 10
10 Credits
Prerequisite: None

English 10 is required for all tenth-grade students. This course integrates composition and world literature studies of various genres with an emphasis on major human values and issues, written communication, oral expression, and argument. Student writing is developed through response to literature including paraphrase, summary, modeling, and personal opinion. It will include paragraph patterns of factual detail, illustration, comparison and contrast, and other expository styles. World literature is used as the basis for developing logical and descriptive speaking and writing skills through discussion and reports. Grammar and vocabulary are taught through a literature-based core curriculum. This course integrates strategies to assist limited-English proficient students and California state standards.

Meets the English Graduation Requirement
Meets the UC/CSU “b” Requirement

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ENGLISH 10, HONORS

Grade: 10
10 Credits
Prerequisite: Grade of “B” of better in English 9, Grade of "C" or better in Honors English 9, and/or teacher recommendation. This course may require summer reading/writing.

This course, which encompasses both literature and composition, is designed to give students a wide experience in studying the various genres of literature (short story, drama, novel, poetry, nonfiction) and to develop writing skills through the study of grammar, sentence combining, and extensive practice in various composition styles. This course is designed to give honors-level students an accelerated program and broader experience with the language than English 10. This course is enriched and accelerated for the high-achieving student.

Meets the English Graduation Requirement
Meets the University of California “b” Requirement
American Literature is designed to familiarize students with their literary heritage by acquainting them with the historical, geographic, economic, sociological, and religious forces which have shaped American life and thought as these concepts are reflected in the writings of representative authors. The course will further student skills in the use of literary terms, literary analysis, and various modes of written and oral communication. This course integrates strategies to assist limited-English proficient students and California state standards.

Meets the English Graduation Requirement
Meets the UC/CSU “b” Requirement

ACADEMY AMERICAN LITERATURE (ENGLISH 11)

Prerequisite: Students must have successfully completed English 10 with a “B” or better; however, Pre-AP English 10 is recommended with a “C” or better. This course is designed for students enrolled in the RECHS Academy their junior year and that are not taking AP English Language or Literature.

This course is a small learning community designed to further develop students’ abilities to analyze the country’s literary heritage to understand how the literature is representative of the historical, geographic, economic, sociological, and religious forces which have shaped American life and thought. Students will have to synthesize these concepts found in a variety of literary works published by American authors. The course will further students skills in the use of literary terms, literary analysis, research skills and various modes of written and oral communication. This course emphasizes skills that students will need for college placement exams that will be taken a year earlier than the general population. This is an accelerated course designed for the high-achieving student as an alternative to Advanced Placement English.

Meets the English Graduation Requirement
Meets the UC/CSU “b” Requirement
Meets the NCAA Requirement
ENGLISH 12 (Includes Sheltered)

Grade: 12  10 Credits  Year

Prerequisite:  None

This course is designed to acquaint students with historical, economic, sociological, and religious content of British literature from the early Medieval period through early 20th century writings. The course integrates literature with writing skills such as literary analysis, reflective writing, report of information, and creative writing through various modes of written and oral communication. This course integrates strategies to assist limited-English proficient students and California state standards.

Meets the English Graduation Requirement  
Meets the UC/CSU “b” Requirement

PRE-AP ENGLISH 9

Grade: 9  10 Credits  Year

Prerequisite:  Grade of “B” or better in ELA 8, GATE or teacher recommendation. This course may require summer reading/writing.

This course is designed to give students extensive practice in analysis evaluation within the various literary genres. SAT I vocabulary development is emphasized, modes of writing, grade-level literary terms, and practice in the utilization of complex grammatical structure. Students will be expected to produce organized written and oral communication that demonstrates the ability to utilize complete grammatical structure. This course is designed to help students develop analytical and evaluation skills in approaching literature and their own writing. This course is enriched and accelerated for the high-achieving student.

Meets the English Graduation Requirement  
Meets the UC/CSU “b” Requirement

PRE-AP ENGLISH 10

Grade: 10  10 Credits  Year

Prerequisite:  Grade of “B” or better in English 9, Grade of “C” or better in Pre-AP 9, and/or teacher recommendation. This course may require summer reading/writing.

This course, which encompasses both literature and composition, is designed to give students a wide experience in studying the various genres of literature (short story, drama, novel, poetry and non-fiction) and to develop writing skills through the study of grammar, sentence combining, and extensive practice in various composition styles. This course is designed to give honors-level students an accelerated program and broader experience with the language than English 10. This course is enriched and accelerated for the high-achieving student. This course emphasizes the skills necessary for success with AP coursework.

Meets the English Graduation Requirement  
Meets the UC/CSU “b” Requirement
ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

Grade: 11 10 Credits  Year

Prerequisite: Grade of “C” or better in Pre-AP or Honors English 10 or a grade of “B” or better in English 10. Student commitment to prepare for and take the Advanced Placement Exam. Summer work may be required. AP contract on file. Must have passed CAHSEE in Language Arts.

This course is designed to challenge college-bound students who have demonstrated verbal proficiency and critical thinking skills to reach their highest potential. The course seeks to train students to become skilled readers of prose from various periods, disciplines, and rhetorical contexts with an emphasis on American writers. This course should also give students the practice and helpful criticism necessary to become flexible writers who can compose in a variety of modes (narrative, exploratory, expository, argumentative) and on a variety of subjects from personal experiences to public policies, from imaginative literature to popular culture. Both their reading and writing will make them aware of the interactions between author, audience, subject, purpose and how these are affected by stylistic concerns such as syntax, organization, diction, and tone. The writing assignments in this course should contribute to making the students mature writers able to write competently across the college curriculum with an emphasis on expository, analytical, and argumentative essays.

Meets the English Graduation Requirement
Meets the UC/CSU “b” Requirement
Approved by College Board Audit

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

Grade: 12 10 Credits  Year

Prerequisite: Successful completion of AP Language or a grade of “B” or better in English 11. Summer work may be required. Commitment to prepare for and take the Advanced Placement exam. AP Contract on file.

In the Advanced Placement course in English Literature and Composition, students are involved in both the style and practice of writing and the study of literature. They will learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies through speaking, listening, and reading, but chiefly through the experience of their language: connotation, metaphor, irony, syntax, and tone. Writing assignments will focus on the critical analysis of literature and will include essays in exposition and argument, personal narrative and the writing of stories, poems or plays. Although much of the writing in the course will be about literature, spelling and writing about different subjects will further develop the students' sense of how style, subject, and audience are related. The desired goals are the honest and effective use of language and the organization of ideas in a clear, coherent, and persuasive way.

Meets the English Graduation Requirement
Meets the UC/CSU “b” Requirement
Approved by College Board Audit
EXPOSITORY READING AND WRITING COURSE (ERWC)

Grades: 12 10 Credits  Year

Prerequisite: None

This class is developed for students who are working toward graduation and moving on to a 2-year to 4-year college institution. The Expository Reading and Writing Course is designed to prepare seniors for the literacy demands of college and the 21st century work force. Students in this rhetoric-based course will develop advanced proficiencies in expository, analytical, and argumentative reading and writing. They will learn how to read, comprehend, and respond to non-fiction and literary texts. This course will provide instruction in research methods and documentation methods. Students will gain increased awareness of the rhetorical strategies employed by authors and apply those strategies to their own writing. When exiting the course, students will be able to read independently and determine the author's argument, audience, and purpose, as well as examine the underlying social, political, and philosophical assumptions of the text.

Meets the English Graduation Requirement
Meets the UC/CSU “b” Requirement
Approved by College Board Audit
ENGLISH ELECTIVES

ACADEMIC SUPPORT

Grades: 9-12  
5 Credits/Semester  
Semester/Year

Prerequisite: Special education student at risk of failing.

This course provides targeted intervention support and instruction that focuses on the standards and writing skills. Students are provided differentiated instruction and tutoring support to meet their specific needs.

Elective credit only

AVID ELD

Grades: 9-12  
10 Credits  
Year

Prerequisites: LEP level of 1-3; GPA of 2.5 or higher; desire to attend a 4-year college or university.

This program is designed for second language learners (Limited English Proficiency-LEP) who wish to attend a 4-year college upon graduation from high school. This course is staffed by: a teacher, college tutors, and exemplary high school peer tutors. All will work with the students individually and in small groups. Students will focus on three main curriculum methodologies: writing, inquiry, and collaboration. In addition, this course focuses on grammar, writing, vocabulary and test-taking skills necessary to succeed at a college level. Organization, study and note-taking skills are also emphasized.

Elective Credit Only

CREATIVE WRITING

Grades: 10-12  
5 Credits  
Semester

Prerequisite: B or better in Pre-AP ELA 9, ELA 10, or ELA 11

Creative Writing focuses on the examination and creation of short fiction and poetry, culminating in a written or digital portfolio and submissions to literary magazines and other writing contests. Students will draft, revise, and polish original fiction and poetry through writing exercises, develop familiarity with literary devices, and gain a better understanding of what it takes to become a professional writer.

Elective Credit Only
ENGLISH 9 TUTORIAL
Grade: 9 10 Credits Year
Prerequisite: Concurrent enrollment in English 9. Students who scored below basic on the ELA screening test at the end of 8th grade year, and/or teacher recommendation.

Students enrolled in the tutorial class receive daily practice in achieving the skills necessary to perform well on grade-level tests and additional practice and reinforcement in all grade-level standards.

Elective credit only

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ENGLISH 10 TUTORIAL
Grade: 10 10 Credits Year
Prerequisite: Concurrent enrollment in English 10. Students who scored below basic on the ELA screening test at the end of their 8th grade year, and/or teacher recommendation.

Students enrolled in the tutorial class receive daily practice in achieving the skills necessary to perform well on grade-level tests and additional practice and reinforcement in all grade-level standards.

Elective credit only

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ENGLISH LANGUAGE DEVELOPMENT I (ELD)
Grades: 9-12 20 Credits Year
Prerequisite: Limited-English Speaking/CELDT Placement

This course is designed for students who have minimal or no comprehension of English. The content of this course focuses on topics the students are familiar with including self, school, home, family, neighborhood, clothing, and other concrete topics. In addition to written and oral practice, emphasis is placed on comprehensible input in English through activities which involve visual stimulation, verbal and non-verbal responses, and physical actions. This is a two-hour class.

10 English Credits and 10 Elective Credits Toward Graduation Requirements
ENGLISH LANGUAGE DEVELOPMENT II (ELD)

Grades: 9-12  
20 Credits  
Year

Prerequisite: ELD I/CELDT Placement

This course is designed for the high-beginning, low-intermediate ELD student who is able to communicate at a basic level about concrete and familiar ideas. This course is designed to help students begin developing academic language and learning skills while strengthening their critical thinking skills. At the same time, students will expand their study of the various grammar points and language functions appropriate at this level. This is a two-hour class.

10 English Credits and 10 Elective Credits Towards Graduation Requirements

ENGLISH LANGUAGE DEVELOPMENT III (ELD)

Grades: 9-12  
10 Credits  
Year

Prerequisite: ELD II/CELDT Placement

This course is designed for students identified as LEP. It is a communication-centered program to help develop independence and confidence in the use of English through experiences and practice in listening, speaking, reading, and writing skills. Paced vocabulary and introduction of grammatical and structural concepts provide a strong foundation of communication skills. These skills are experienced implicitly and taught in context to provide the students with a good grasp of the subject matter.

10 Elective Credits Towards Graduation Requirements

JOURNALISM

Grades: 9-12  
10 Credits  
Year

Prerequisite: Approval of Journalism Advisor

This is a laboratory course in newspaper production which gives the student practical experience in all phases of newspaper production. Associate editors must be active participants in all phases of the newspaper production. Junior and senior editors will assume major responsibility for overseeing advertising, planning, and producing the newspaper.

Elective credit only  
Meets one semester of the UC/CSU “g” Requirement  
May Be Repeated for Credit
MYTHOLOGY

Grades: 11-12  5 Credits  Semester

Prerequisite: None

This course focuses on a survey of Greek mythology, Native American mythology, ancient cultures, world religions, and American legends. Students are encouraged to become familiar with the literature as well as to compare fact with fiction. Video documentary is utilized to help students connect with the remote past.

*Elective credit only*

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PUBLICATION AND DESIGN I

Grades: 9-12  10 Credits  Year

Prerequisite: None

This course is designed to provide practical, applicable experiences with the ultimate goal being the publication of the yearbook. Students will explore topics that include writing copy, captions and headlines, interviewing, communication skills, photography, designing layouts, independent thinking skills and problem solving, responsibility and time management through deadlines. Students enrolled in the course will be expected to assume the responsibilities and self-discipline necessary to contribute to the success of the organization. This course teaches applicable, real-world skills including: meeting deadlines, collaboration, advanced technological skills, communication, and responsibility.

*Meets the Fine Arts Graduation Requirement*
*Meets the UC/CSU “g” Requirement*
*Meets the NCAA Requirement*

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READING LAB/ENGLISH 9-READ 180

Grades: 9-12  5 Credits  Semester

Prerequisite: ELA screening tests are used to determine placement and/or teacher recommendation.

Students enrolled in the Reading Lab class receive an intensive two-period block of systematic reading comprehension and writing instruction necessary.

*Elective credit only*
SCIENCE FICTION

Grades: 11-12 5 Credits Semester

Prerequisite: None

This course focuses on a survey of Science Fiction literature, the elements of Science Fiction, and the predictions and socio-political issues raised by the authors. Students are encouraged to consider contemporary and relevant social issues through discussion, Socratic Seminars, and writing.

*Elective credit only*

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SPEECH

Grades: 10-12 10 Credits Year

Prerequisite: None

This course is a comprehensive study of public speaking. It is designed to help students formulate their own ideas of the world and express these ideas in an organized manner by oral communication, to help students succeed in their present communication environment, as well as to help students explore their future in several areas of public communication.

*Elective Credit Only

*Meets the UC/CSU “g” Requirement*
MATH

Summary of Courses

- Accounting I
- Advanced Algebra with Trigonometry
- Algebra I/Math I
- Algebra II
- AP Calculus AB
- AP Calculus BC
- AP Statistics
- Applied Geometry
- Geometry
- Honors Algebra 2
- Honors Geometry
- Honors Pre-Calculus
- Pre-Algebra
- Pre-Calculus

Math Electives:

- Academic Support
- Algebra I/Math I With Support
- Math Foundations
- Math Tutorial

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.
ACCOUNTING I

Grades: 10-12
10 Credits
Year

Prerequisite: Algebra I/Math I with a recommended grade of "C" or better.

This first-year course in accounting is designed to introduce the student to basic accounting principles and procedures that are being used by private enterprise. It also covers the basic accounting cycle using the books of account. It concludes with the completion of the company work sheets and financial statements. This course prepares the student for personal financial management and for entry-level jobs as an accounting clerk.

Meets US/CSU "g" Requirement
Meets 2nd or 3rd Year Math Graduation Requirement Upon Completion of Algebra I/Math I
Meets the Vocational Arts Graduation Requirements

ADVANCED ALGEBRA WITH TRIGONOMETRY

Grades: 10-12
10 Credits
Year

Prerequisite: A grade of "C" or better in Algebra II

Advanced Algebra with Trigonometry is designed to bridge the gap for students completing Algebra II with the need to further strengthen their algebra skills before taking Pre-Calculus. The course will take an in-depth look at the Algebra II standards and will introduce the standards of trigonometry. Further, it will support students taking the EAP their junior year and will meet the requirement for students needing to take a year-long course for mathematics remediation their senior year.

Meets the Mathematics Graduation Requirement
Meets the UC/CSU "c" Requirement

ALGEBRA I/MATH I

Grades: 9-12
10 Credits
Year

Prerequisite: Placement based on prior course performance and/or test scores

Algebra I covers the fundamental properties of the real number system. Topics include simplifying algebraic expressions, laws of exponents, solving first and second-degree linear equations and inequalities, solving systems of equations and inequalities, functions and function notation, graphs of linear and quadratic functions, radical equations and the quadratic formula. Many problems are presented in context and students are required to read, interpret and solve such problems.

Meets the Mathematics Graduation Requirement
Meets the UC/CSU "c" Requirement
ALGEBRA II

Grades: 9-12  
10 Credits  
Year

Prerequisite:  A grade of "C" or better in both semesters of Geometry.

This course reviews and extends all that is taught in Algebra I/Math I to a higher degree of sophistication. Topics covered include: solving systems of equations, graphing first- and second-degree relations, polynomials, logarithms, exponential functions, sequences, series, binomial expansion, permutations, and combinations. This course also includes an introduction to complex numbers.

Meets the Mathematics Graduation Requirement  
Meets the UC/CSU “c” Requirement

ADVANCED PLACEMENT CALCULUS AB

Grades: 11-12  
10 Credits  
Year

Prerequisite:  Grade "B" or better in Pre-Calculus. Commitment to prepare for and take the Advanced Placement exam. AP Contract on file.

This course consists of work that is comparable to calculus courses in colleges and universities. Calculus is a group of mathematical concepts and techniques widely used in technical fields and increasingly in business and economics to solve problems. Most colleges and universities offer a sequence of several courses in calculus. They often utilize entering students’ scores on the Advanced Placement Calculus Exam given in May to decide each student's starting point in that sequence of courses.

Meets the Mathematics Graduation Requirement  
Meets the UC/CSU “c” or “g” Requirement  
Approved by College Board Audit

ADVANCED PLACEMENT CALCULUS BC

Grades: 11-12  
10 Credits  
Year

Prerequisite:  AB Calculus with "C" or better or Honors Pre-Calculus with a "C" or better. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

This course covers the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Calculus BC is designed to qualify the student for placement and credit in a college course beyond that granted for Calculus AB.

Meets the Mathematics Graduation Requirement  
Meets the UC/CSU “c” or “g” Requirement  
Approved by College Board Audit
ADVANCED PLACEMENT STATISTICS

Grades: 10-12  
Prerequisite:  Grade "B" or better in Algebra II. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

This course will prepare students for the Advanced Placement (AP) Statistics Exam. Students will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. It is the equivalent of a one semester, introductory, non-calculus based, college course in statistics.

*Meets the Mathematics Graduation Requirement*  
*Meets the UC/CSU “c” or “g” Requirement*  
*Approved by College Board Audit*

APPLIED GEOMETRY

Grade: 11-12  
Prerequisite:  Completion of Algebra I/Math I

This course is intended only to satisfy the 2nd year mathematics high school graduation requirement, and does not meet the A-G university requirements. Students taking Applied Geometry will study Geometry standards along with related Algebra standards. The course will use integrated algebra/geometry, project-based activities such as building bridges, calculating building heights, and building scaled objects, as the main emphasis to teach those skills.

*Meets the Mathematics Graduation Requirement*

GEOMETRY

Grades: 9-12  
Prerequisite:  “C” or better in Algebra I/Math I

Geometry is the study of points, lines and areas of a single plane, and includes some extension into three-dimensional space. Emphasis is also placed on creating a consistent set of axioms and using deductive reasoning to write proofs and derive theorems. Students need to have a strong foundation in algebraic concepts.

*Meets the Mathematics Graduation Requirement*  
*Meets the UC/CSU “c” Requirement*
HONORS ALGEBRA 2

Grades: 10

10 Credits

Year

Prerequisite: A or B in Honors Geometry

An advanced Algebra 2 course, this is part of a sequence of courses that serves students who are advanced in mathematics and prepares them for Advanced Placement Calculus and Statistics. This course will include all of the Common Core Algebra 2 standards, including advanced (+) standards.

Meets the Mathematics Graduation Requirement
Meets the UC/CSU “c” Requirement

HONORS GEOMETRY

Grade: 9

10 Credits

Year

Prerequisite: A or B in Accelerated Math8/For 2015, A or B in Accelerated Algebra 1

An advanced Geometry course, this is part of a sequence of courses that serves students who are advanced in mathematics and prepares them for Advanced Placement Calculus and Statistics. This course will include all of the Common Core Geometry standards, including the advanced (+) standards.

Meets the Mathematics Graduation Requirement
Meets the UC/CSU “c” Requirement

HONORS PRE-CALCULUS

Grades: 10-12

10 Credits

Year

Prerequisite: “B” or higher in Geometry and Algebra II

This course concentrates on the circular trigonometric functions: their graphs, inverses, and fundamental identifies. Vectors, logarithms, and trigonometric representation of complex numbers are covered. Also covered are sequences, probability and statistics, conics, polar coordinate equations and limits and derivatives. This course is a prerequisite for calculus and is designed for students who will take Calculus BC and others who plan to enter high-level technical careers.

Meets the Mathematics Graduation Requirement
Meets the UC/CSU “c” Requirement
PRE-ALGEBRA

Grades: 9-10  
10 Credits  
Year

Prerequisite: 9th Grade: “C” or better in Foundations 8 or “D” in Foundations 8 and a score of 70% on Foundations Final.

This course is the designated “bridge” math course for students completing Foundations in middle school or high school. The fundamental purpose of this course is to provide students the necessary math skill, knowledge, and problem-solving ability to successfully complete Algebra 1.

Meets the Mathematics Graduation Requirement

PRE-CALCULUS

Grades: 10-12  
10 Credits  
Year

Prerequisite: A grade of "C" or better in both Geometry and Algebra II.

This course concentrates on the circular trigonometric functions; their graphs, inverses, and fundamental identities. Vectors, logarithms, and trigonometric representation of complex numbers are covered. Also covered are sequences, probability and statistics, conics, polar coordinates and equations, and an introduction to limits. This course is a prerequisite for calculus.

Meets the Mathematics Graduation Requirement
Meets the UC/CSU “c” Requirement
MATH ELECTIVES

ACADEMIC SUPPORT

Grades: 9-12  
5 Credits/Semester  
Semester/Year

**Prerequisite:** Special Education student at risk of failing.

This course provides targeted intervention support and instruction that focuses on the standards and math skills. Students are provided differentiated instruction and tutor support to meet their specific needs.

*Elective credit only*

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ALGEBRA I/MATH I WITH SUPPORT

Grades: 9-12  
10 Credits  
Year

**Prerequisite:** Grade “D” or higher in Pre-Algebra. There may be other factors that will be taken into account including failure or in danger of failure, in current math course and teacher recommendation.

Students enrolled in this tutorial will receive daily practice of basic skills necessary to perform well in the Algebra I/Math I class. They will also receive daily instruction on specific concepts that are currently being covered in their Algebra I/Math I class.

*Elective credit only*

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MATH FOUNDATIONS

Grades: 9  
10 Credits  
Year

**Prerequisite:** Lack of algebra readiness (multi-year) as demonstrated by low district and state test scores and poor grades in coursework deemed prerequisite to Algebra I/Math I or its equivalent.

The course is designed to provide strategic support for students lacking both the skills and conceptual knowledge needed for success in Algebra I/Math I or its equivalent, with the goal of transitioning students to high school level math. The course uses a variety of instructional approaches and real-life applications of mathematics to build these essential skills, problem solving, and the conceptual knowledge, focusing on these basic math topics: whole numbers, fractions, decimals, integers, rational numbers, geometry and pre-algebra.

*Elective credit only*
MATH TUTORIAL

Grades: 9-12 5/10 Credits Semester/Year

Prerequisite: Students who are not demonstrating proficiency in other math courses. Other factors that may be taken into consideration are: failure or in danger of failure in current math course, and teacher recommendation.

Students enrolled in this tutorial will receive daily practice of basic skills and pre-algebra skills necessary to perform well in their current math class. They will receive individual instruction on specific concepts that are currently being covered in their math class.

Elective credit only
MISCELLANEOUS

Summary of Courses

- Academic Mentor
- Aspects of the American Legal System
- Associated Student Body/Student Learning/Government
- AVID (Grades 9-11)
- AVID-ELD
- AVID 9 Health
- AVID Senior Seminar
- AVID Student Tutors
- Healthy Living
- High School Advisory
- Peer Leadership
- Personal and Social Responsibility
- Police Science
- Power Up!
- Service Learning
- Social Psychology
- Speech
- Teacher Assistant

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.
ACADEMIC MENTOR

Grades: 10-12

5 Credits

Semester

Prerequisite: Semester 2 grade of B or higher in Algebra I/Math I, Geometry, English 9 and English 10; A/P on EST end of course math tests in Algebra I/Math I and Geometry; A/P on EST end of course English test in English 9 and 10.

This course is designed to place students who have demonstrated proficiency in freshman level CCSS courses to assist struggling students under the direction and supervision of their CCSS teacher. Students gain experience in tutoring both individual students and small groups.

Elective credit only

ASPECTS OF THE AMERICAN LEGAL SYSTEM

Grades: 10-12

5 Credits

Semester

Prerequisite: Grade of “C” or better on last English course completed

Aspects of the American Legal System is a survey course designed to give high school students an overview of American law and the United States court system as well as various career options available within the legal field. The course will cover aspects of the law, the basic structure of the American legal system, the general elements of a case, and the rules of evidence outlined in AMTA (American Mock Trial Association). Students will discuss the roles and responsibilities of those involved in a case, will research career preparation and requirements for these different roles, and analyze the dynamics of the litigation process. This course will also prepare students to role play in a mock trial either as a classroom activity or for AMTA competition.

Meets Vocational Education Graduation Requirement

ASSOCIATED STUDENT BODY (ASB)/STUDENT LEADERSHIP/GOVERNMENT

Grades: 9-12

10 Credits

Year

Prerequisite: Election/appointment to office

This course is designed to facilitate the leadership, planning and execution of student activities on campus. Students will practice parliamentary procedure in an effort to conduct business efficiently and effectively. The class will be divided between classroom activities, meetings and the work of preparing for actual school activities.

Elective credit only

May be repeated for credit
AVID (Advancement Via Individual Determination)
AVID 9, AVID 10, AVID 11

Grades: 9-11 10 Credits  Year

Prerequisite: Based on recommendations and interview. Meets a part of the elective requirement for graduation

AVID is a four-year elective program designed to prepare students for college success. The students who benefit most from AVID are first-generation college-bound students with high potential who have been underachieving. AVID offers training in college level academic skills, tutorials conducted by college students, motivational skills, and academic survival skills. Students interested in this program must go through an application and interview process. Contact your Guidance Coordinator, an AVID teacher, or the school for more information.

Elective credit only

AVID ELD

Grades: 9-10 10 Credits  Year

Prerequisites: LEP level of 1-3; GPA of 2.5 or higher; desire to attend a 4-year college or university.

This program is designed for second language learners (Limited English Proficiency-LEP) who wish to attend a 4-year college upon graduation from high school. This course is staffed by: a teacher, college tutors, and exemplary high school peer tutors. All will work with the students individually and in small groups. Students will focus on three main curriculum methodologies: writing, inquiry, and collaboration. In addition, this course focuses on grammar, writing, vocabulary and test-taking skills necessary to succeed at a college level. Organization, study and note-taking skills are also emphasized.

Elective Credit Only

AVID 9 HEALTH

Grade: 9 10 Credits  Year
5 Credits Health & 5 Credits Elective

Prerequisite: Must be accepted into the AVID program.

AVID 9 Health is a one year class designed to prepare AVID freshmen for college success and individual health and wellness. AVID 9 Health offers training in college level academic skills and tutorials led by college students. It also teaches motivational and academic survival skills. AVID 9 Health will allow students an opportunity to develop and maintain optimum health through knowledge, attitude, and practice. Students will practice decision making and refusal skills related to the Health content areas.

Elective Credit Only
Satisfies Health Graduation Requirement With Passing of Both Semesters
# AVID SENIOR SEMINAR

**Grade:** 12  
**10 Credits**  
**Year**

**Prerequisite:** Prior AVID participation and/or teacher approval. Parents and students must attend an orientation meeting.

AVID is an educational program dedicated to helping students in the academic “mid-range” who are often underachieving, disadvantaged, and under-represented, or first-generation college students to become educated and responsible participants and leaders in our democratic society. AVID comes from the Latin root *avidus*, meaning *eager for knowledge*.

*Elective credit only*  
*Meets the UC/CSU “g” Requirement*

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# AVID STUDENT TUTORS

**Grades:** 11-12  
**10 Credits**  
**Year**

**Prerequisite:** Recommendation of AVID Coordinator; two years of AVID experience at high school level; successful completion of an Advanced Placement class; passage of CAHSEE; good academic standing (accumulative GPA of 2.5 or higher); requirement to be trained by certified RIMS AVID Region 10 trainer; ability to communicate in Spanish is desirable.

AVID Student Tutors will serve as tutors for other AVID students in the program. During the course of their participation in this capacity, AVID Student Tutors will be required to complete AVID Certification training provided through the RIMS AVID Region 10 Trainer of Tutors. This training will enable the Student Tutors to assist the AVID Coordinator and teachers in working with students to develop their academic skills to levels appropriate to gain admission to a four-year college.

Upon high school graduation, AVID Student Tutors who have completed the certification process will be eligible to find employment as an AVID Tutor as they attend a college or university. AVID Student Tutors will focus their assistance on students in the core academic classes, especially math and Language Arts. AVID Student Tutors will work with students under the direction of the AVID Coordinator, individually and in small groups.

*Elective credit only*

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# HEALTHY LIVING

**Grades:** 9-12  
**5 Credits**  
**Semester**

**Prerequisite:** None

This is a semester course focusing on individual wellness. It is designed to help students develop and maintain optimum health through knowledge, attitudes, and practices. Students will practice decision making and refusal skills to take conscious control of their own health. Content areas include: personal, family, community, and environmental health, medicines, drugs, alcohol, and tobacco, diseases, HIV, AIDS, and STD's, safety, conflict resolution, and first aid.

*Meets Graduation Requirement*  
*2 semesters of Aerospace I (JROTC) satisfies Health Graduation Requirement*
HIGH SCHOOL ADVISORY

Grades: 9-12  2.5 Credits/5 Credits  Semester/Year

Prerequisite: None

This course is designed to create an environment where every student on campus participates in a small interactive group that provides an opportunity for students and staff to establish a relationship over a four year span in order to better meet the needs of all students. The course will be academically based and will support the development of each student’s identified needs. Students will engage in various activities that will further develop their academic skills in order to be successful in school and their social, emotional and moral growth in order to become better citizens and life-long learners. As students progress from freshmen to senior year, they will build End of Year Portfolios; which will ultimately become the basis of the culminating Senior Seminar. This course will be at least 20 minutes in length but not to exceed 25 minutes daily.

Elective Credit Only
Will Be Repeated On a Yearly Basis

PEER LEADERSHIP

Grades: 10-12  5 Credits/10 Credits  Semester/Year

Prerequisite: Teacher approval

This course provides skills and training necessary to interact with other students as a peer-support model. Communication, decision making, self-awareness and counseling skills are taught, demonstrated and reinforced. Skill development is the clarification of issues including exploration of family and relationships, school-related issues, stress, peer pressure and chemical dependency. Counseling skills are reinforced through role playing, small group interaction and other teaching strategies common to counselor education. Second semester provides trainees with the opportunity to serve as peer helpers under the supervision of the adult counselor and teacher. Training focuses on issue exploration and more complex counseling skills including self-disclosure, accurate empathy, confrontation, group facilitation and crisis intervention. Handling situations dealing with especially sensitive issues is a particular focus.

Elective credit only
May be repeated for up to 30 credits

PERSONAL AND SOCIAL RESPONSIBILITY

Grades: 9-12  5 Credits  Semester

Prerequisite: None

This course develops a student’s sense of responsibility so they can make thoughtful and effective decisions while acting in ways that maintain dignity and respect for themselves and others. Students learn how to follow through on commitments, relate in ways that promote cooperation and decrease conflict, deal productively with anger, and cope with "real world" life choices.

Elective credit only
POLICE SCIENCE

Grades: 10-12  5 Credits  Semester

Prerequisite: None

This course will help the student learn the historical development of police from prehistoric through modern times. The student will learn law enforcement structure, criminal law, elements of selected crimes and laws of arrest, search and seizure. The law enforcement role in the court system and Juvenile Law will be studied. Each class member is eligible to participate on a ride-along with an on-duty patrol Deputy.

*Elective credit only*

POWER UP!

Grades: 9  5 Credits  Semester

Prerequisite: None

This course will provide students with a four-tier framework that includes academic skills, career planning, service learning, and personal reflection that will instill a positive and responsible vision of their future and the choices they make. Primary emphasis on basic organizational skills that empower students for success in high school and beyond secondary focus on comprehension and application of psychological principles to interpersonal relationships, personal growth, and career choices will be explored. Curriculum will include project-based learning, the creation of a ten-year educational/career plan, cross-curricular connections, and a parental component to help teachers and students form a support system.

*Meets Vocational Education Requirement*  
*May be Repeated Once for Credit*

SERVICE LEARNING

Grades: 9 – 12  5 Credits  Semester

Prerequisite: None

Service Learning offers a unique opportunity for students to get involved with their school and local/global communities. Service Learning engages students in the educational process, using what they learn in the classroom to solve real-life problems. Students not only learn about democracy and citizenship, they become actively contributing citizens and community members through the service they perform. Students will research, promote and complete one personal service learning project and one collaborative service learning project (for their local or global community) each semester.

*Elective credit only*
SOCIAL PSYCHOLOGY

Grades: 11–12 10 Credits Year

Prerequisite: Agreement for field placement

This course is designed to provide a basic knowledge of psychology and counseling. The course is based on a survey of the principles of psychology, with special reference to human behavior, social-emotional development, motivation, learning, and the shaping of behavior by both internal and environmental factors. While touching on all five domains included in the APA National Standards for High School psychology curriculum, the course focuses on three of these domains: bio-psychological domain, developmental domain, and cognitive domain. Additionally, students will evaluate and apply psychological domain knowledge to improve the quality of individual and community life while serving in a supervised peer mentoring role.

Elective credit only
May be repeated for up to 20 credits
Meets UC/CSU “g” Requirement

SPEECH

Grades: 10-12 10 Credits Year

Prerequisite: None

This course is a comprehensive study of public speaking. It is designed to help students formulate their own ideas of the world and express these ideas in an organized manner by oral communication, to help students succeed in their present communication environment, as well as to help students explore their future in several areas of public communication.

Meets English Graduation Requirement But Cannot Be Taken in Place of a Regular English Class
Meets the UC/CSU “g” Requirement

TEACHER ASSISTANT (TA)

Grades: 11-12 5 Credits/10 Credits Semester/Year

Prerequisite: None

The students will assist a teacher in the classroom. Students interested in this class will have the skills and abilities matched with the duties required in various classroom programs. As per the graduation requirements, students will be restricted to a total of ten (10) credits of T.A. No student may enroll in more than one (1) period of T.A. per semester.

Elective credit only
PERFORMING ARTS

Summary of Courses

Music

• A Cappella Choir
• AP Music Theory
• Beginning Band
• Chamber Singers
• Color Guard
• Concert Band
• Concert Choir
• Guitar Ensemble
• Introduction to Guitar
• Jazz Ensemble
• Madrigals
• Marching Band
• Mixed Choir
• Percussion Ensemble
• Show Choir
• Symphonic Winds Band
• Treble Choir
• Women's Ensemble

Theater

• Advanced Theatre
• Play Writing
• Stagecraft
• Theatre I
• Theatre II

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.
MUSIC

A CAPPELLA CHOIR

Grades: 9-12  10 Credits  Year

Prerequisite: Instructor’s approval or at least one semester ensemble experience.

The course is an advanced experience in Mixed Ensemble. The students will learn music in rehearsals and perform at major school concerts. The students will also acquire the musical experience that should result in a positive attitude toward music, a better understanding of music, and a greater skill in experiencing music. Students will be required to participate in all performances as scheduled by the director.

Meets the Fine Arts Graduation Requirement
May be repeated for additional credit
Meets the UC/CSU “f” Requirement

ADVANCED PLACEMENT MUSIC THEORY

Grades: 11-12  10 Credits  Year

Prerequisite: Commitment to prepare for and take Advanced Placement exam. AP contract on file.

The development of aural skills is a primary objective of the Advanced Placement Music Theory course. Throughout the course, students will listen to musical works attentively and analytically, developing their musical memory and their ability to articulate responses to formal, stylistic, and aesthetic qualities of the works. Performance, using singing, keyboard, and students’ primary performance media will also be a part of the learning process.

Meets the Fine Arts Graduation Requirement
Meets the UC/CSU “f” or “g” Requirement
Approved by College Board Audit

BEGINNING BAND

Grade: 9-12  10 Credits  Year

Prerequisite: Desire to play an instrument and/or beginning ability.

This course is for ninth-grade students who play, or would like to play, any woodwind or brass instrument. This course provides group instruction and practice on the various band instruments. The Beginning Band may perform at concerts and other similar activities. Attendance at all non-voluntary rehearsals and performances is required.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
CHAMBER SINGERS
Grades: 10-12  10 Credits  Year

Prerequisite:  Instructor’s approval and vocal audition.

This course is the most advanced experience in mixed ensemble singing. Students will acquire the musical experience that will result in a positive attitude toward music, a better understanding of music, and a greater skill in experiencing music. The student will learn music and perform at all major school concerts. This ensemble will also represent the high school in and around Riverside at festivals and competitions. Chamber singers will perform for clubs, groups, and organizations. This choir will go on tour in the spring and participate in at least four festivals in which they are adjudicated. Students are expected to participate in all performances as scheduled by the director.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement

COLOR GUARD
Grades: 9-12  10 Credits  Year

Prerequisite:  None

This course enhances the performing talents of students in the field of fine arts. Students who join will have the opportunity to perform at all home football games, concerts, field tournaments, band reviews, and parades during the first semester. Second semester is devoted to competitions through Winter Guard International and WGASC. Attendance at all rehearsals and performances is required.

Meets the Fine Arts Graduation Requirement
May be repeated for credit

CONCERT BAND
Grade: 9-12  10 Credits  Year

Prerequisite:  Instructor’s approval

This course is for students who play, or would like to learn to play, any woodwind or brass instrument. This course provides group instruction and practice on the various band instruments. The Concert Band will perform at concerts and other similar activities. Attendance at all rehearsals and performances is required.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirements
CONCERT CHOIR

Grades: 9-12  10 Credits  Year

Prerequisite: Instructor’s approval and/or vocal audition

This course is an advanced experience in mixed ensemble singing. The students will learn music and perform at all major school concerts. This ensemble will also represent the high school in and around Riverside at festivals and competitions. The students will also acquire the musical experience that should result in a positive attitude toward music, a better understanding of music, and a greater skill in experiencing music. As performance is a valid part of any singing ensemble, so it is with the high school Concert Choir. Students will be required to participate in all performances as scheduled by the director.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement

GUITAR ENSEMBLE

Grades: 9-12  10 Credits  Year

Prerequisite: One semester of Introduction to Guitar

Guitar Ensemble will provide group instruction and practice on guitar. Students enrolled in Guitar Ensemble will have an opportunity to play at a variety of school functions including band concerts, luncheons and other school/district activities.

Meets the Fine Arts Graduation Requirement
May Be Repeated for Credit
INTRODUCTION TO GUITAR

Grades 9 – 12

5 Credits

Semester

Prerequisites: None

Introduction to Guitar is a class that will teach the fundamentals of both music reading and guitar playing.

Meets the Fine Arts Graduation Requirement

JAZZ ENSEMBLE

Grades: 9-12

10 Credits

Year

Prerequisites: Students will be admitted to class by audition. Students should be proficient on 12 major scales, sight-reading ability, and basic improvisation skills.

Jazz Ensemble is a performance-oriented class. Students will play a variety of musical styles within the jazz genre. Styles may include but are not limited to big band, ragtime, swing, bebop, fusion, Latin jazz, cool jazz, and world music. Students will learn to play in the jazz style as well as to improvise over a chord progression. The course will also cover the history and evolution of jazz as well as important historical figures associated with jazz.

Meets the Fine Arts Graduation Requirement

MADRIGALS

Grades: 9-12

10 Credits

Year

Prerequisite: Instructor’s approval by vocal audition

This course is the most advanced experience in mixed ensemble. The students will learn music and perform at all major school concerts. This ensemble will also represent the high school in and around Riverside at festivals, competitions, clubs, groups, and organizations. The students will also acquire the musical experience that should result in a positive attitude toward music, a better understanding of music, and a greater skill in experiencing music. As performance is a valid part of any singing ensemble, so it is with the Madrigal Singers. Students will be required to participate in all performances as scheduled by the director.

Meets the Fine Arts Graduation Requirement

May be repeated for credit

Meets the UC/CSU “f” Requirement
MARCHING BAND

Grades: 9-12

10 Credits

Year

Prerequisite: Instructor’s approval

This course will provide a seventh-period for group instruction and practice on the various band instruments, marching, and color guard work. The marching band members will perform at football games, parades, band reviews, field shows, drum shows, color guard shows, concerts and other similar activities. Attendance at all rehearsals and performances is required.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement
Satisfies 1 Semester of PE Graduation Requirement per Year Taken

MIXED CHOIR

Grades: 9-12

10 Credits

Year

Prerequisite: None

This course is a beginning experience in singing. The students will learn music in rehearsals and perform at major school concerts. The students will also acquire the musical experience that should result in a positive attitude toward music, a better understanding of music, and a greater skill in experiencing music. Students will be required to participate in all performances as scheduled by the director.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement

PERCUSSION ENSEMBLE

Grades: 9-12

10 Credit

Year

Prerequisite: Instructor’s approval and/or audition

This course provides group instruction and practice on various percussion instruments and marching. The Percussion Ensemble will perform as part of the Marching Band at all home football games, parades, concerts, and other similar activities. Attendance at rehearsals and performances is required.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement
SHOW CHOIR

Grades: 9-12

10 Credits

Prerequisite: Successful Audition; instructor approval

Show Choir is a rigorous and vigorous music program of study that enhances and expands knowledge in the regular concert choir. Students in Show Choir are required to display rhythm, movement, dance proficiency, physical fitness, and coordination along with mastering advanced level singing individually and as an ensemble while projecting without a microphone. In addition to this rigorous training, show choir students are expected to understand a wide array of theatrical and musical terms. Students will assist with the creation of a 15-20 minute show by learning standards-based music education at the proficient and advanced levels. Students are considered members of the Concert Choir and are required to learn Concert Choir repertoire, participate in Concert Choir performances and attend all Concert Choir rehearsals. Students will be required to attend before or after school Show Choir rehearsals, participate in public performances and entertainment for civic clubs, churches, school functions, adjudicated festivals and performances most of which occur outside school time and occasionally outside of Riverside

Meets the Fine Arts Graduation Requirement.

10 Credits Fine Arts OR 5 Credits Fine Arts and 5 Credits PE

SYMPHONIC WINDS BAND

Grades: 10-12

10 Credits

Prerequisite: Instructor’s approval and/or audition

This course provides group instruction and practice on the various band instruments. The Symphonic Winds will perform at concerts and other similar activities. Attendance at all rehearsals and performances is required.

Meets the Fine Arts Graduation Requirement

May be repeated for credit with instructor’s approval

Meets the UC/CSU “f” Requirement
TREBLE CHOIR

Grades: 9-12 10 Credits Year

Prerequisite: Instructor's approval and/or vocal audition

This course is an advanced experience in treble ensemble singing. The students will acquire the musical experience that will result in a positive attitude toward music, a better understanding of music, and a greater skill in experiencing music. The students will learn music in rehearsals and will perform at all major school concerts. Treble Choir will also perform in and around Riverside for groups, clubs, and organizations. A portion of their literature will include choreographed movement as well as standard repertoire. The choir will participate in at least two festivals in which they are adjudicated. Students are expected to participate in all performances as scheduled by the director.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement

WOMEN'S ENSEMBLE

Grades: 9-12 10 Credits Year

Prerequisite: None

This course is a beginning experience in treble ensemble singing. The students will learn music and perform at all major school concerts. This ensemble may participate in choral festivals as well as learning fundamental musicianship skills. The students will also acquire the musical experience that should result in a positive attitude toward music, a better understanding of music, and a greater skill in experiencing music. Students are expected to participate in all performances as scheduled by the director.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement
THEATRE

ADVANCED THEATRE

Grades: 10-12  10 Credits  Year

Prerequisite:  Theatre I, Theatre II, and audition or teacher approval

This is a performance class. This course is designed to provide the advanced theatre student with an extension of the introduction to the art of acting learned in Theatre I and II. The lectures and exercises given are intended primarily as a means to make him/her aware of, and to improve his/her control over, bodily movement, vocal instrument, imagination, concentration, and observation. Included in the course is an extension of the basic knowledge of acting theory, criticism, play analysis, theatre practices, and terminology. Students will produce a 30-40 minute production that they will travel to local elementary and middle schools to perform. This is an advanced class and students should be prepared to do class work and assignments that require time after school and possibly on weekends. School play production participation is a necessary part of a student's grade for this class each semester.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement

PLAY WRITING

Grades: 10-12  5 Credits  Semester

Prerequisite:  Grade of “C” or better in Theatre I or recommendation of Theatre or English instructor.

This course is an introduction to the basic techniques of structure and dialogue in playwriting. Written exercises must be submitted and discussed to identify dramatic events. Scenes will be read and acted by the author and his/her classmates. Curriculum includes discussion of major playwrights in history from ancient Greece to modern times, idea/plot development, character analysis and elements of theatre and theatre design. Students will initiate the development of a one-act play or the first act of a three-act play.

Meets one-half of Fine Arts Graduation Requirement

STAGECRAFT

Grades: 10-12  5 Credits  Semester

Prerequisite:  Theatre I or Theatre II with a “C” or better or instructor’s approval

Stagecraft is a theatre arts course designed to introduce the student to the technical aspects of the theatre. Basic set and lighting terminology, practical construction tasks, prop construction, painting techniques and general stage maintenance are topics covered in this class.

Meets Fine Arts Graduation Requirements
THEATRE I

Grades: 9-12  
Prerequisite:  None

This course is designed to provide the beginning theatre student with an introduction to the art of acting. The lectures and exercises given are intended primarily as a means to make him/her aware of, and to improve his/her control over, bodily movement, vocal instrument, imagination, concentration, and observation. Included in the course is the development of a basic knowledge of acting theory, criticism, play analysis, theatre practices, terminology and several aspects of technical theatre. A brief overview of the history of the theatre will also be explored.

Meets the Fine Arts Graduation Requirement
Meets the UC/CSU “f” Requirement

THEATRE II

Grades: 10-12  
Prerequisite:  A grade of "C" or better in Theatre I and auditions

This course is designed to provide the intermediate theatre students with an extension of the introduction to the art of acting explored in Theatre I. The lectures and exercises given are intended primarily as a means to make him/her aware of, and to improve his/her control over, bodily movement, vocal instrument, imagination, concentration, and observation. Included in the course is the review and extension of a basic knowledge of acting theory, criticism, play analysis, theatre practices and terminology.

Meets the Fine Arts Graduation Requirement
May be repeated for credit
Meets the UC/CSU “f” Requirement
PHYSICAL EDUCATION

Summary of Courses

Basic Physical Education
- Modified Physical Education
- Physical Education I
- Physical Education II
- Aerobics
- Basketball
- Field Sports
- Soccer
- Tennis
- Weight Training

Advanced Physical Education
- Baseball, Advanced
- Basketball, Men's, Advanced
- Basketball, Women's, Advanced
- Football, Advanced
- Football, Weights Advanced
- Pep Squad
- Soccer, Advanced
- Softball, Advanced
- Swimming, Advanced
- Tennis, Advanced
- Track, Advanced
- Volleyball, Advanced
- Water Polo, Advanced

Alternative PE Credit Courses
- Aerospace I
- Aerospace II
- Aerospace III
- Aerospace IV
• Horsemanship
• Marching Band
• ROTC Drill Team
• Show Choir
• Walking for Health

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum. Students in grades 10-12 must continue to take PE until they have passed the California Physical Fitness Test.
BASIC PHYSICAL EDUCATION

MODIFIED PHYSICAL EDUCATION

Grades: 9-12

5 Credits/10 Credits

Semester/Year

Prerequisite: IEP or 504 placement or doctor's written prescription detailing the condition and the specific limitations and/or capabilities. Must complete District modified PE form.

Adaptive physical education is designed for students who have a medical condition that prevents them from enrolling and participating in a regular physical education class.

Meets the Physical Education Graduation Requirement

PHYSICAL EDUCATION I

Grade: 9

10 Credits

Year

Prerequisite: Enrollment in 9th grade

This class provides beginning-level conditioning skills in the areas of swimming, field sports, and court sports. The sports may vary according to facility and equipment availability. In addition to conditioning skills such as running and calisthenics, basic game skills, strategies, and rules will be emphasized. Students are required to wear the physical education uniform for this class, which consists of any combination of navy blue, gray or white tee-shirts, shorts or sweats, plus tennis shoes. Only school logo or plain clothes may be worn. Students may bring their own clothes from home or purchase the school's physical education clothing.

Meets the Physical Education Graduation Requirement

PHYSICAL EDUCATION II

Grades: 10-12

5 Credits/10 Credits

Semester/Year

Prerequisite: Students who are below the healthy fitness zone standards on four or more of the FITNESSGRAM elements on their 9th grade California Physical Fitness Test.

Students enrolled in the Physical Education program receive daily practice in achieving the physical skills and fitness necessary to perform well on the California Physical Fitness Test. Students will be periodically retested on California Physical Fitness Test elements throughout the semester. Passing scores on 5/6 elements would allow the student to withdraw from the PE II course at the completion of the semester and enroll in an elective PE course.

Meets the Physical Education Graduation Requirement
AEROBICS
Grades: 10-12 10 Credits Year
Prerequisite: Completion of Physical Education I and enrollment in grades 10-12
This is a unique fitness program that combines the benefits of a good cardiovascular workout with the appeal of dancing to music. In addition to cardiovascular conditioning, the course is designed to build strength, firm and tone muscles, develop flexibility, and release tension.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit

BASKETBALL
Grades: 10-12 10 Credits Year
Prerequisite: Completion of Physical Education I and/or enrollment in grades 10-12
This physical education class provides the underpinnings for further achievement in basketball. Skills developed include shooting, stance, rebounding, passing, and ball handling.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit

FIELD SPORTS
Grades: 10-12 10 Credits Year
Prerequisite: Completion of Physical Education I and/or enrollment in grades 10-12
This course is designed to teach students the fundamental skills of the games of soccer, football, softball, and basketball. This course will increase students' competitive skills and their ability to function cooperatively with other students.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit
SOCCER

Grades: 10-12

Prerequisite: Completion of Physical Education I and/or enrollment in grades 10-12

This course is designed to teach students the fundamental skills of the game of soccer and to increase students' competitive skills and their ability to function effectively on teams.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit

TENNIS

Grades: 10-12

Prerequisite: Completion of Physical Education I and/or enrollment in grades 10-12

This course provides a basic understanding of tennis. Students learn the forehand, backhand, serve, and scoring, as well as care of equipment. Lobs and volleys are introduced.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit

WEIGHT TRAINING

Grades: 10-12

Prerequisite: Completion of Physical Education I or II and/or enrollment in grades 10-12

This course is an intermediate physical education class designed to develop total body strength from novice level through advanced. Further, it touches the areas of basic muscular anatomy, type of workouts, and body movement.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit
ADVANCED PHYSICAL EDUCATION

BASEBALL, ADVANCED

Grades: 9-12  10 Credits  Year

Prerequisite: Instructor’s approval

Advanced Baseball is designed for students wishing to refine their baseball skills. Topics covered include: batting, bunting, throwing, fielding, and sliding. This class is for athletes who plan to be on the high school baseball team in the spring.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit

BASKETBALL, MEN'S ADVANCED

Grades: 9-12  10 Credits  Year

Prerequisite: Instructor's approval

This course emphasizes individual development in basketball skills, techniques, and rules. Emphasis is also upon proper strength training, agility, conditioning, and flexibility. It is primarily for freshmen basketball players and certain junior varsity players. Second semester is for younger candidates who have made the high school basketball teams.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit

BASKETBALL, WOMEN'S ADVANCED

Grades: 9-12  10 Credits  Year

Prerequisite: Instructor's approval

This course is to help students develop the fundamental skills of dribbling, passing, shooting, and team concept. This course is for student athletes who plan to compete on the high school basketball team in the winter.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit
FOOTBALL, ADVANCED

Grades: 9-12  
Year  
10 Credits

Prerequisite: Instructor's approval

This course emphasizes individual development in football skills, techniques, and rules. Intense emphasis is also placed upon strength development, agility, flexibility, and conditioning. It is primarily for varsity football players first semester. Second semester is for returning players and selected freshmen and junior varsity (those who show the maturity level and strength level for this more intense class) candidates.

Meets the Physical Education Graduation Requirement  
May Be Repeated for Credit

FOOTBALL, WEIGHTS ADVANCED

Grades: 9-12  
Year  
10 Credits

Prerequisite: Instructor's approval

This course emphasizes individual development in football skills, techniques, and rules. Emphasis is also upon strength training, agility, conditioning, and flexibility. It is primarily for freshmen football players and certain junior varsity players. Second semester is for younger candidates for the high school football teams.

Meets the Physical Education Graduation Requirement  
May Be Repeated for Credit

PEP SQUAD

Grades: 9-12  
Semester  
5 Credits

Prerequisite: Instructor's approval

This course provides the opportunity for students to increase their knowledge of pep squad skills. Students gain knowledge of fitness, health, safety, and the social skills required to work as a member of a team. Students learn routines for each squad. Students practice the concepts of teamwork, trust, and discipline required for the success of any routine or performance.

Elective or Physical Education Credit  
May Be Repeated for Credit
### SOCCER, ADVANCED

**Grades:** 9-12  \hspace{1cm} **10 Credits**  \hspace{1cm} **Year**

**Prerequisite:** Instructor's approval

This class is designed to teach the fundamentals of soccer. Emphasis will be on offensive and defensive strategy and tactical understanding of the game by using combination drills and small side games.

*Meets the Physical Education Graduation Requirement*

*May Be Repeated for Credit*

### SOFTBALL, ADVANCED

**Grades:** 9-12  \hspace{1cm} **10 Credits**  \hspace{1cm} **Year**

**Prerequisite:** Instructor's approval

Softball skills will be developed for the student interested in competitive softball. Emphasis is on team play, game strategies, and skill development. This course is designed for athletes who plan to be on the high school softball team in the spring.

*Meets the Physical Education Graduation Requirement*

*May be repeated for Physical Education credit*

### SWIMMING, ADVANCED

**Grades:** 9-12  \hspace{1cm} **10 Credits**  \hspace{1cm} **Year**

**Prerequisite:** Instructor's approval

This class is designed to cover competitive swimming, fundamentals of self-rescue, and develop excellent aquatic skills. This course is designed for athletes who plan to be on the high school swim team in the spring.

*Meets the Physical Education Graduation Requirement*

*May Be Repeated for Credit*
**TENNIS, ADVANCED**

Grades: 9-12  
10 Credits  
Year

**Prerequisite:** Instructor's approval

This is a course to develop skills, strategies, and techniques of tennis to enable a student to try out for tennis at the competitive level. Special emphasis will be placed on the fundamentals of serving, ground strokes, and net play. This course is designed for athletes who plan to be on the high school tennis team.

*Meets the Physical Education Graduation Requirement*  
*May Be Repeated for Credit*

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**TRACK, ADVANCED**

Grades: 10-12  
5 Credits  
Semester

**Prerequisite:** Instructor’s approval

This course emphasizes individual development with the various skills/events included in the area of track and field competition. This course is designed for athletes who plan to be on the high school track team in the spring.

*Meets the Physical Education Graduation Requirement*  
*May Be Repeated for Credit*

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**VOLLEYBALL, ADVANCED**

Grades: 9-12  
10 Credits  
Year  
(May be taken first and second semester)

**Prerequisite:** Instructor's approval

Volleyball skills will be developed for the student interested in competitive volleyball. Emphasis is on team play, game strategies, and skill development. This course is for athletes who plan to be on the high school volleyball team in the fall.

*Meets the Physical Education Graduation Requirement*  
*May Be Repeated for Credit*
WATER POLO, ADVANCED

Grades: 9-12  10 Credits  Year

Prerequisite: Instructor's approval

This course is designed for students thoroughly familiar with the game of water polo and with previously developed skills in the game. This class provides the foundation for further achievement in water polo and swimming. Topics covered include proper stroke technique, game strategy, and conditioning.

Meets the Physical Education Graduation Requirement
May Be Repeated for Credit
ALTERNATIVE PE CREDIT COURSES

AEROSPACE SCIENCE I

Grades: 9-12  5/10 Credits  Semester/Year

Prerequisite: None

ROTC Aerospace Science I is a year long course focusing on various aspects of individual development. This instruction is integrated into the curriculum of ROTC Leadership Education which also includes: military science & history, and the customs and traditions of the United States Air Force. ROTC Aerospace Science I is designed to help students learn and develop optimum health through knowledge, attitudes, and effective decision-making skills & practices. Students will receive in-depth instruction on health, nutrition, personal wellness, physical fitness, violence prevention, communication skills, healthy relationships, stress-management and refusal skills in a variety of social settings.

Students will acquire and demonstrate these skills while participating in military leadership training modeled on USAF standards. This instruction will include individual and small unit marching drills, training in military ceremonies and performing in public settings such as parades and formal meetings. As part of the Cadet Corps, students will also participate in regular inspections designed to assess their overall appearance, grooming, appropriate dress and military bearing.

ROTC students will learn appropriate self-control, discipline and initiative as both a follower and an emerging leader. Students will learn how the decisions they make can affect their health for the rest of their lives. Great emphasis is placed on the importance of effective & ethical decision-making skills and goal-setting. This instruction will empower the individual as a student, as a Cadet and as a citizen. The ROTC Aerospace Science I course meets the same state standards and course objectives as the courses offered in traditional classroom settings. ROTC instruction in military history, customs and practices are graded components of this course. Students involved in the program will benefit by acquiring self-discipline, focus and resiliency that has assisted them greatly in high school and beyond.

The physical training and wellness program is also taught each term. Voluntary membership in the AFJROTC Program provides numerous opportunities to build self-confidence and character. Mandatory attendance and participation is required at two events each semester. These include an early morning inspection each semester and the Homecoming Parade (1st semester) and the Dining Out/Military Ball (2nd semester). The ROTC Aerospace Science I course units provide for multiple opportunities for students to practice their acquired skills and further their personal development. Students will also benefit socially by being part of a community working towards common goals and missions.

Meets the Vocational Education Graduation Requirement
One full year satisfies one semester of the PE Graduation Requirement when passing both semesters
or
One full year satisfies the Healthy Living Graduation Requirement
AEROSPACE SCIENCE II

Grades: 10-12
5/10 Credits
Semester/Year

Prerequisite: Aerospace Science I or second year ROTC participant.

The second year of Aerospace Science is a science course designed to acquaint the student with four major flight concepts. The first is knowledge of how airplanes fly to include the principles and physics of flight, the functions of airplane parts, flight power and innovation. Flight conditions are reviewed to understand the aerospace environment, including atmospheric composition, weather elements, forecasting and aviation weather effects on flight. The third area is the physiology of flight on the human body which includes protective equipment and training. Finally navigation principles are studied, including basic navigational elements and navigation aids, flight instrumentation and navigation technologies.

Leadership hours stress communication skills, understanding individual and group behavior, and basic leadership and team-building concepts. Written reports and speeches compliment academic materials. Corps activities include performing in-flight and staff positions and require cadets to use leadership skills to execute these duties. Co-curricular activities serve to augment classroom and leadership education requirements. Cadets plan and attend dining-outs, awards banquets, and military balls. Model Rocketry and Static Model Programs are provided and cadets go on curriculum in-action trips to military bases, flights on airplanes, summer leadership schools, aerospace facilities and industries, civilian airports, parades, and competitions.

The physical training and wellness program is also taught each term. Voluntary membership in the AF/JROTC Program provides numerous opportunities to build self-confidence and character. Mandatory attendance and participation is required at two events each semester. These include an early-morning inspection each semester and the Homecoming Parade (1st semester) and the Dining Out/Military Ball (2nd semester).

Meets the Vocational Education Graduation Requirement
One full year satisfies one semester of the PE Graduation Requirement
AEROSPACE SCIENCE III

Grades: 11-12  5/10 Credits  Semester/Year

Prerequisite:  Aerospace Science II or third year ROTC participants.

The third year of Aerospace Science is a science course which examines four major concepts. The first area is the space environment, including the history of astronomy, the earth and our moon, the sun and our solar system and deep space. The second concept revolves around exploring space to include the challenges of working in and living in space. The third area involves manned and unmanned space flight programs, looking back at our progress and future direction. Finally the concept of space technology is reviewed to understand space orbits and trajectories, rockets and launch vehicles, and robotics and commercial uses of space.

Leadership hours emphasize "Life Skills" which include understanding the importance of obtaining a degree or skills after high school, comprehending that proper job search is needed to obtain employment, the importance of financial planning, understanding the career opportunities available through the federal government, NASA, FAA, and the military. Corps activities include holding positions of greater responsibility and using their communicative, leadership, and management skills to execute these duties.

Cadets continue to participate in co-curricular activities and curriculum in-action trips. The physical training and wellness program is also taught each term. Voluntary membership in the AF/JROTC Program provides numerous opportunities to build self-confidence and character. Mandatory attendance and participation is required at two events each semester; these include an early-morning inspection each semester and the Homecoming Parade (1st semester) and the Dining Out/Military Ball (2nd semester).

Meets the Vocational Education Graduation Requirement
One full year satisfies one semester of the PE Graduation Requirement
AEROSPACE SCIENCE IV

Grade: 11-12
5/10 Credits
Semester/Year

Prerequisite: Aerospace Science III or fourth year ROTC participant.

The cadets run the entire Corps in the fourth year of Aerospace Science. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision making will be done by the cadets. They practice their communication, decision making, personal interaction, managerial, and organizational skills.

Leadership hours include comprehending the importance of management, the techniques and skills involved in making management decisions, the concepts and skills of problem solving, decision making, negotiating, and the importance of managing yourself and others. Co-curricular activities and curriculum in-action trips are continued.

The physical training and wellness program is also taught each term. Voluntary membership in the AF/JROTC Program provides numerous opportunities to build self-confidence and character. Mandatory attendance and participation is required at two events each semester; these include an early-morning inspection each semester and the Homecoming Parade (1st semester) and the Dining Out/Military Ball (2nd semester).

Meets the Vocational Education Graduation Requirement
One full year satisfies one semester of the PE Graduation Requirement

HORSEMANSHIP

Grades: 9-12
5 Credits
Semester
(Year recommended)

Prerequisite: None

This course will provide the student with a working knowledge on how to: properly catch, lead, tie, groom, saddle, bridle, and mount horses, adjust the care for equipment, and become a proficient rider. In addition, a basic understanding of equine care, management, and schooling will be developed. Protective head gear with a chin strap is required and will be provided. A supervised project will be required.

Meets Vocational Arts or Physical Education Graduation Requirement
Articulated to MSAC Animal Science I
MARCHING BAND

Grades: 9-12
10 Credits

Prerequisite: Instructor’s approval

This course will provide a seventh-period for group instruction and practice on the various band instruments, marching, and color guard work. The marching band members will perform at football games, parades, band reviews, field shows, drum shows, color guard shows, concerts and other similar activities. Attendance at all rehearsals and performances is required.

*Meets the Fine Arts Graduation Requirement*
*May be repeated for credit*
*Meets the UC/CSU “f” Requirement*
*One Year Satisfies 1 Semester of PE Graduation Requirement*

ROTC DRILL TEAM

Grades: 9-12
5/10 Credits

Prerequisite: Senior Aerospace Science Instructor approval is required.

This course furthers the AF/JROTC mission of building better citizens for America with a concentrated curriculum that focuses on leadership, followership, discipline, responsibility and teamwork.

The entire drill team is composed of numerous smaller teams run directly by the cadet leadership. These teams may include the Marching Unit, Unarmed and Armed Drill Teams, Saber Team, and Competition Color Guard. These teams practice drill routines choreographed by the cadets and the teams regularly participate in public competitions and demonstration events at parades and drill meets. Voluntary membership in the AF/JROTC Drill Team provides numerous opportunities to build self-confidence and character. Attendance at all non-voluntary rehearsal and performances is required.

*Each semester meets 5 credits of the Physical Education Graduation Requirement*
SHOW CHOIR

Grades: 9-12  10 Credits  Year

**Prerequisite:** Successful Audition; instructor approval

Show Choir is a rigorous and vigorous music program of study that enhances and expands knowledge in the regular concert choir. Students in Show Choir are required to display rhythm, movement, dance proficiency, physical fitness, and coordination along with mastering advanced level singing individually and as an ensemble while projecting without a microphone. In addition to this rigorous training, show choir students are expected to understand a wide array of theatrical and musical terms. Students will assist with the creation of a 15-20 minute show by learning standards-based music education at the proficient and advanced levels. Students are considered members of the Concert Choir and are required to learn Concert Choir repertoire, participate in Concert Choir performances and attend all Concert Choir rehearsals. Students will be required to attend before or after school Show Choir rehearsals, participate in public performances and entertainment for civic clubs, churches, school functions, adjudicated festivals and performances most of which occur outside school time and occasionally outside of Riverside.

*Meets the Fine Arts Graduation Requirement.*
10 Credits Fine Arts OR 5 Credits Fine Arts and 5 Credits PE

WALKING FOR HEALTH

Grades: 10-12  5 Credits  Semester

**Prerequisite:** Instructor and/or Coordinator approval

This class is designed to be molded to specific needs of students who may have special needs or need to improve their basic fitness level. Most activities will be building blocks to create a general fitness level that will be appropriate for most students in the class.

This class is ideal to prepare students to participate in a more rigorous Physical Education class. The low impact, low cardio demand will allow students to build their cardio and fitness level to succeed in a more demanding Physical Education class.

This course can also be used as a class to mainstream a possible adapted Physical Education student needing low impact fitness training. Activities may include, but not be limited to, walking the track, walking around the athletic fields, climbing stadium stairs, working out in the fitness room and participating in other aerobic activities.

*Meets the Physical Education Graduation Requirement*

*May Be Repeated for Credit*
REGIONAL OCCUPATION PROGRAM (CTE - ROP)

Summary of Courses

- Advanced Retail Operations
- Auto Collision and Refinishing
- Auto Technology
- Careers in Science
- Child Care
- Computer Information Systems
- Culinary Arts
- First Responder
- Health Careers
- Hospital Occupations
- Hospitality Occupations
- Integrated Marketing Communications
- Law Enforcement
- Law Enforcement – Forensic Science
- Medical Assistant – Clinical
- Medical Coding
- Medical Front Office
- Nurse Assistant
- Retail Fashion Merchandising
- Retail Merchandising for Student Store
- Retail Sales and Marketing
- Sports Therapy and Fitness
- Television and Video Production
- Welding Certification
- Welding Occupations

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.

- No maximum credits in ROP
- Can be repeated for credit
ADVANCED RETAIL OPERATIONS

Grades: 11-12  10 Credits  Year

Prerequisite: Completion of Retail Merchandising for Student Store or equivalent retail, business, marketing, or merchandising course.

Training for: Retail Sales Person  Customer Services Representative
Sales Managers  General Operations Manager
Marketing Managers

This standards-aligned course explores professional sales concepts more deeply. Students learn to access and use marketing information to enhance sales activities and opportunities; and complete a strategic plan that includes establishing individual and company sales goals to guide activities of sales staff. The instructional program prepares students to perform marketing and management functions and tasks associated with operating a retail business and a variety of on-site, student enterprises, such as a student store. This is not a beginning course; it is designed to serve as a concentrator or capstone course for any of the pathways in the Marketing, Sales, and Service Sector, or for the Fashion Merchandising pathway, and intended primarily for the junior or senior year of high school.

Meets the Vocational Education Graduation Requirement
Only offered at Patriot High School

AUTO COLLISION AND REFINISHING

Grades: 10-12  5 Credits (Per Semester)  Semester/Year

Prerequisite: Guidance Coordinator and/or instructor’s approval.

Training for:  Body Filler Applications  Development of Safety Technology
Body Preparation and Procedures  Estimating and Managerial Aspects
Custom Air Brush Artwork  Job Interview and Search Skills
Custom Body Work Applications  Lead Work
Customization - Candy and Pearls  Welding Procedures

This program will offer the student, through extensive hands-on experience, the opportunity in decision-making processes for such factors as auto collision, refinishing, and estimating. The use of the industry-wide Mitchell Advanced Technology Information Solutions System will enhance the student’s ability to progress through the various application techniques, understand employee responsibilities, and managerial concerns. In-depth interview and job search techniques are stressed; excellent opportunity for entry-level employment upon completion of course.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area
## AUTO TECHNOLOGY

**Grades:** 10-12

**10 Credits (Per Semester)**

<table>
<thead>
<tr>
<th>Prerequisite:</th>
<th>Guidance Coordinator and/or instructor's approval.</th>
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</thead>
<tbody>
<tr>
<td><strong>Training for:</strong></td>
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<tr>
<td>Accessory Installer</td>
<td>Clutch Inspector</td>
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<tr>
<td>Auto Cooling System Technician</td>
<td>Electrical Helper</td>
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<tr>
<td>Auto Mechanic Helper</td>
<td>Engine Assembler Helper</td>
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<tr>
<td>Brake Adjuster</td>
<td>Tire Repair</td>
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</tbody>
</table>

This class offers students the opportunity to learn mechanical skills in a real life situation. Instruction may include general service, basic power train, tire mounting and balancing, engine reconditioning, electrical, chassis, cooling fuel system, and auto air conditioning service.

*Meets the Vocational Education Graduation Requirement*

Greater Riverside Area

## CAREERS IN SCIENCE

**Grades:** 9-12

**5 Credits**

<table>
<thead>
<tr>
<th>Prerequisite:</th>
<th>Ability to provide transportation to internship site</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Training for:</strong></td>
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<tr>
<td>Natural Sciences Managers</td>
<td>Agricultural Science Workers</td>
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<tr>
<td>Forestry and Conservation Science Managers</td>
<td>Environmental Science Technicians</td>
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<tr>
<td>Biological Science Technicians</td>
<td>Food Science Technicians</td>
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<tr>
<td>Mathematical Science Occupations</td>
<td>Forensic Science Technicians</td>
</tr>
<tr>
<td>Biological Technicians</td>
<td>Agricultural &amp; Food Service Technicians</td>
</tr>
<tr>
<td>Agricultural Technicians</td>
<td>Surveying Technicians</td>
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<tr>
<td>Soil and Plant Scientists</td>
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This course is designed to give students a thorough introduction to the many types of careers and employment possibilities in science. The course combines a strong classroom based component and work-based learning that occurs at science-based work sites. Students will spend 4-6 weeks in the classroom focusing on science processes, employment skills, and job search skills. Students will spend the remainder of the course in their internships (CC or CVE), supported by weekly classroom experience. At the community sites, students will receive training in a variety of settings, demonstrating and using science skills. The students will be supervised by an instructor and employer during the community site time. Students will demonstrate mastery of content and process by completion and presentation of projects, classroom assignments, and community site performance. Students will be expected to share project results through public presentations with peers, teachers, and community professionals. The classroom work and the community site experiences will focus on the application of technology and science in a variety of forms.

*Meets the Vocational Education Graduation Requirement*

Greater Riverside Area
CHILD CARE

Grades: 10-12
15 Credits

Semester

Prerequisite: Guidance coordinator and/or instructor's approval.

Training for: Extended Day Care Aide
             Infant Care Aide
             Nursery School Attendant
             Playroom Attendant
             Preschool Teacher
             Recreation Leader
             Teacher Aide

This course is designed to prepare students for entry-level employment within a course length of 291 hours. Content presents the necessary skills to work with infant through school-age children. Students are introduced to child growth and development theory and practice. This certificate meets the requirement of Health and Safety Code 1597.055 for employment as a Child Care Teacher as defined in the Title XXII licensing regulations. Instruction may include skills needed for working with children, accepting job responsibilities, and learning to assist with activities such as storytelling music, science, and art.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area

COMPUTER INFORMATION SYSTEMS

Grades: 11-12
5 or More Credits

Semester

Prerequisite: Successful completion of a keyboarding class.

Training for: Control Clerk, DPI
             Terminal Operator
             PC Computer - Peripheral Operator
             Terminal System Operator
             Programmer, Detail Applications

In a modern office environment, students perform clerical tasks (real and simulated) to train in areas necessary to obtain or upgrade skill levels for employment in an office occupation. Students will learn personal attitudes and work habits that are appropriate to office occupations. Documents are prepared on IBM compatible computers, Macintosh computers, word processor typewriters, and IBM Selectric typewriters. This course will prepare students for job-entry skills. Emphasis will be placed in the areas of word processing, receptionist, office manager, mail room, and reprographics.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area
CULINARY ARTS

Grades: 10-12

5 Credits  

Semester

Prerequisite: None

Training for:  
Cashier  
Dining Room Attendant  
Kitchen Helper
Cook, Short Order  
Host/Hostess  
Waiter/Waitress
Baker Helper, Pastry  
Kitchen Clerk (Store Room)

This course is designed to prepare students for entry-level employment in the food service industry. Jobs include cook, dining room attendant, cashier, host/hostess, waiter/waitress, kitchen helper and baker helper. In an operational campus-based restaurant, students will learn the proper use of kitchen tools, appliances, portion control, how to measure items, plan menus and figure costs, sanitation and safety, job search skills, proper attitude, and personal hygiene.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area

FIRST RESPONDER

Grades: 10–12

5 Credits  

Semester

Prerequisite: Successful completion of Medical Coding.

A first responder is trained to a higher standard than someone trained in Basic First Aid. The first responder is trained to recognize that an emergency exists, knows who to call for assistance, render aid while waiting for that assistance to arrive, and have the qualifications to continue to assist once the emergency crews arrive on scene. The first responder is trained in CPR (Healthcare Provider level), oxygen administration, splinting, cervical spine precautions, medical/traumatic emergencies, emergency childbirth, poisonings and overdoses, and shock/bleeding control. Typically the First Responder does not provide transportation of the victim.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area
HEALTH CAREERS (Introductory Course)

<table>
<thead>
<tr>
<th>Grades: 9-12</th>
<th>5 Credits (Per Semester)</th>
<th>Semester</th>
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</table>

**Prerequisite:** Guidance Coordinator and/or instructor's approval.

**Training for:** Healthcare Practitioner and Technical Occupations  
Healthcare Support Occupations  
Healthcare Practitioners and Technical Worker  
Medical Records and Health Information Technicians

This course is designed to provide students with an introduction to health careers and will provide them with information in order for students to develop a career plan. Emphasis is placed on the skills necessary in order to enter the health care field and exploration of many different areas within healthcare.

*Meets the Vocational Education Graduation Requirement*  
Greater Riverside Area

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HOSPITAL OCCUPATIONS

<table>
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<tr>
<th>Grades: 11-12</th>
<th>15 Credits</th>
<th>Semester</th>
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</table>

**Prerequisite:** None

**Training for:** Central Supply Worker  
Physical Therapy Aide  
Respiratory Therapy Aide  
Hospital Messenger  
Emergency Room Aide  
Medical Record Clerk  
Food Service Worker  
Pharmacy Helper  
Medical Clerk  
Ward Clerk

This course is designed with a core curriculum as the basic foundation for all skills taught in the semester. This course is designed to prepare students for entry-level employment in the hospital and/or community setting. Emphasis is placed on those skills required of a health care worker in an acute care hospital setting and to provide practical information about career opportunities in the medical field. Instruction may include anatomy and physiology, medical/surgical asepsis, weights and measures, medical terminology, patient care skills, and CPR.

*Meets the Vocational Education Graduation Requirement*  
Greater Riverside Area
HOSPITALITY OCCUPATIONS

Grades: 11-12

10 Credits

Year

Prerequisite: None

Training for: Hotel, motel, and resort Desk Clerks
Concierge
Host or Hostess
Dining Room and Cafeteria Attendants
Reservation and Transportation Agents
Amusement and Recreation Attendant
Tour Guides
Receptionist and Information Clerks
Travel Clerks

This two-semester class is designed for students who have an interest in the growing field of hotels and tourism and wish to gain the necessary skills for employment. Course content includes hotel operations, food service, hospitality, the travel and tourism industry, theme parks, customer service/communications, and how to plan special events and conferences. Following an orientation and four weeks of instruction in the classroom, students will be placed in community training sites for actual experience on-the-job in the industry.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area

INTEGRATED MARKETING COMMUNICATIONS

Grades: 11-12

10 Credits

Year

Prerequisite: Completion of two years of English/language arts.

This course is a junior or senior elective for students in Marketing pathways. It integrates the communication and media demands of marketing careers with the advanced communications requirements for post-secondary study in marketing or business. The course provides an application of current theories and concepts in effectively marketing goods and services to identified target customers from both a domestic and global perspective. Topics include market research, identifying target customers, advertising, promotion, public relations, branding, pricing, specialized marketing communications, selling and distribution channel logistics. Marketing is critically examined from diverse perspectives, including from consumer, economic, technological, legal/political, and ethical/social responsibility issue perspectives. This course is designed to serve as a concentrator/capstone for the Marketing, Sales, and Service Sector, and has been approved by the University of California as a “g” elective.

Meets the Vocational Education Graduation Requirement
Meets the UC/CSU “g” Requirement
Offered at Patriot High School
LAW ENFORCEMENT

Grades: 11-12  10 Credits  Semester

Prerequisite: High interest in law enforcement.

Training for:
- Community Services Officer
- Data Entry Clerk
- Dispatcher, Security Guard
- Records Clerk
- Parking Enforcement Officer
- Correctional Officer/Correctional Deputy
- Deputy Sheriff
- Peace Officer
- Police Cadet
- Police Explorer Program

This course is designed to give qualified students interested in a career in Law Enforcement an opportunity to learn about various aspects of police work, and the career avenues available. Among units to be covered are patrol procedures, ethics, vehicle codes, communications systems, clerical procedures, physical training, safety, narcotics, gang awareness, penal codes, criminal law and special teams.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area

LAW ENFORCEMENT – FORENSIC SCIENCE

Grades: 10-12  10 Credits  Year

Prerequisite: Suggest one year of basic Science.

Training for:
- Fingerprint Classifier
- Crime Scene Investigator
- Crime Scene Photographer
- Community Service Officer
- Forensic Specialist
- Fingerprint Expert
- Crime Scene Technician
- Latent Fingerprint Analyst
- Evidence/Property Technician
- Forensics Specialist
- Identification Technician

This course is designed to give students both theory and hands-on experience in the skills and knowledge in the field of forensic science, including an introduction to crime scene investigation, crime scene photography, and diagrams as they are used in criminal investigation. Students will learn the importance of physical evidence in solving crimes, dusting and lifting fingerprints, how to perform a gunshot residue test, evidence collecting and processing methods, and the use of forensic light sources technology. Emphasis will be placed on the importance of effective communication and interpersonal skills, professional development, strong academic skills, problem solving, safety and the use of technology.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area
MEDICAL ASSISTANT - CLINICAL

Grade: 12  
15 Credits (Per Semester)  
Year

Prerequisite:  Must be 18 years of age by February 1.

This course is designed to prepare students for entry-level employment as a medical office assistant. The student will be exposed to the many jobs available in the health care industry. After completion of the course, the student will have the ability to prepare patients for examinations and office surgery, give injections, take vital signs, perform vein puncture and electrocardiograms, understand medical terminology, job search skills, and interpersonal relationships. Students who qualify will be permitted to enhance skills learned in the classroom at community sites.

Meets the Vocational Education Graduation Requirement  
Greater Riverside Area

MEDICAL CODING

Grades: 9–12  
10 Credits  
Year

Prerequisite: Typing speed of 35 wpm, enough basic computer skills to allow learning of various software packages, ability to meet productivity and accuracy levels, ability to work with other healthcare professionals, willingness to be a life-long learner of changing codes and coding principles.

Training for:  Medical Clerk  
Medical Insurance Clerk (medical)  
Medical Insurance Voucher Clerk  
Medical Insurance  
Medical Secretary  
Medical Secretary

This course prepares students to work in a medical facility, billing service, or the potential of starting their own billing service. The course covers medical terminology, human anatomy, preparation of claims for reimbursement, electronic and manual claim submission for various types of health insurance.

Meets the Vocational Education Graduation Requirement  
Greater Riverside Area
MEDICAL FRONT OFFICE

Grade: 10-12  10 Credits  Semester

Prerequisites: None

Training for: Medical Secretary  Hospital Admitting Clerk
Billing, Costs & Rate Clerks

This course is designed to prepare students for entry level employment in the medical field as a clerical assistant to a physician. The student will learn scheduling of appointments, telephone techniques, billing or patients, insurance, handling mail and maintaining financial records. The students will learn secretarial tasks such as typing letters and filing.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area

NURSE ASSISTANT (CERTIFIED)

Grade: 12  15 Credits  Semester

Prerequisite: None

This course offers entry-level job training designed to provide related instruction and practical experience in preparation for the Nurse Assistant Competency Evaluation program. Instruction may include patients' rights, prevention and management, medical/surgical asepsis, patient care skills and procedures, nutrition, long-term patient care, charting, interpersonal skills, body mechanics, weights and measures, vital signs, emergency procedures, death and dying, and rehabilitative nursing.

Meets the Vocational Education Graduation Requirement
Greater Riverside Area
RETAIL FASHION MERCHANDISING

Grade: 10-12  5 Credits  Semester

Prerequisite: Dress requirement as required by local community training site. Ability to provide transportation to the internship site.

Training for: Retail Salesperson
Cashier
Stock Clerk
Fashion Designer
Advertising Sales Agent
Advertising & Promotion
Demonstrator and Product Promoter
Merchandise Display & Window Trimmer
Customer Service Representative
Marketing Manager
Sales Manager

This extensive standards-aligned course prepares students with the skills, attitudes, and knowledge needed for employment in the fashion merchandising and marketing of apparel and accessories. Instruction includes such topics as operational procedures; textiles identification and analysis; fabric selection, care and repair; the elements and principles of design; product knowledge and merchandising techniques; sales and service; fashion forecasting; visual merchandising; inventory control and loss prevention; cash and credit transactions; and technology used in the industry. The course curriculum may also provide for an extensive community-classroom component following CC/CVE methodology and requirements, including an individualized training plan. This is not an introductory course; it is designed to serve as a concentrator/capstone course for either the Fashion Design and Merchandising Pathway for the Marketing, Sales, and Service Sector, or the Fashion Merchandising pathway.

Meets the Vocational Education Graduation Requirement

RETAIL MERCHANDISING FOR STUDENT STORE

Grades: 10-12  5 Credits  Semester

Prerequisite: Concurrent enrollment in a Marketing Pathways Course

Training for: Cashier
Retail Sales Person
Marketing Managers
Counter and Rental Clerk
Customer Services Representative
Sales Managers

This standards-aligned course covers the principles of retail selling. The course curriculum prepares students to master marketing foundations and apply these principles to the characteristics of various types of retail environments; and provides opportunities to perform marketing practices and tasks in a variety of on-site, student enterprises, such as a student store. The course curriculum’s community-classroom component is designed for on-campus student enterprise operations, facilitating student skill development in a variety of retail operational areas, including cashiering, cash handling, sales events and promotion, inventory control, and general merchandising. This is not a beginning course; it is designed to serve as a concentrator course for the Marketing, Sales, Service Sector, and the Fashion Merchandising pathway.

Meets the Vocational Education Graduation Requirement
Offered at Jurupa Valley High and Patriot High School
RETAIL SALES AND MARKETING

Grades: 10-12 5 Credits Semester

Prerequisite: Dress requirement as required by local community training site. Ability to provide transportation to internship site

Training for: Cashier Customer Service Representative
Retail Sales Person Laborer and Freight, Stock and Material Mover
Counter and Rental Clerk Stock Clerk – stockroom, warehouse or storage yard

This standards-aligned course covers the principles of retail selling. The course curriculum prepares students to master marketing foundations and apply these principles to the characteristics of various types of retail environments; and to perform marketing practices and tasks in a variety of retail merchandising operations. The course curriculum also provides for an extensive community-classroom component following CC/CVE methodology and requirements, including and individualized training plan. This is not a beginning course; it is designed to serve as a concentrator or capstone (or both) for the Marketing, Sales, and Service Sector.

Meets the Vocational Educational Graduation Requirement

SPORTS THERAPY AND FITNESS

Grades: 10-12 5 Credits or More Semester

Prerequisite: Grade 9 requires instructor’s approval.

Training for: Athletic Trainer Assistant Recreation Facility Supervisor
Athletic Equipment Salesperson, Sporting Goods
Physical Therapy Aide

Instruction may include athletic training, fitness instruction, injury rehabilitation, physical training, sales, and orthopedic assistance. Subject to an acceptable interview with a cooperating employer, students will train at a community location to practice and develop skills learned in the classroom.

Meets the Vocational Education or Life Science Graduation Requirement
Must complete two semesters for Certification of Training
Greater Riverside Area
TELEVISION AND VIDEO PRODUCTION

Grades: 11-12  10 Credits  Semester

Prerequisite: None

This course is designed to allow students the opportunity to learn and explore the industry of television production and video camera usage. The program focuses on basic knowledge and competencies of video productions. The program will have various lab activities and culminating activities that will link their experiences to a real life experience.

Meets the Vocational Education Graduation Requirement  
Greater Riverside Area

WELDING CERTIFICATION

Grades: 11-12  5 Credits  Semester

Prerequisite: None

This is an advanced course in shielded Metal Arc Welding leading to American Welding Society Certification (AWS) and Los Angeles City Structural Steel Semiautomatic Welding Certification. Program will include a review of all ARC welding techniques using 6010 welding rods and progress through the use of all welding techniques appropriate for 7018 welding rod certification. To qualify for the certification exam, students must complete all course competencies.

Meets the Vocational Education Graduation Requirement  
Greater Riverside Area

WELDING OCCUPATIONS

Grades: 11-12  5 Credits  Semester

Prerequisite: None

This course is designed to prepare students for entry-level jobs in the welding trades and industry. Instruction includes use of materials, safety, equipment, tools, and measuring devices. This is a basic course involving welding tasks using arc, Metal Inert Gas (M.I.G.), tungsten Inert Gas (T.I.G.) and gas welding equipment, leading to entry-level jobs in various welding areas.

Meets the Vocational Education Graduation Requirement  
Greater Riverside Area
ROTC

Summary of Courses

- Aerospace Science I
- Aerospace Science II
- Aerospace Science III
- Aerospace Science IV
- ROTC Drill Team

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.
ROTC Aerospace Science I is a year long course focusing on various aspects of individual development. This instruction is integrated into the curriculum of ROTC Leadership Education which also includes; military science & history, and the customs and traditions of the United States Air Force. ROTC Aerospace Science I is designed to help students learn and develop optimum health through knowledge, attitudes, and effective decision-making skills & practices. Students will receive in-depth instruction on health, nutrition, personal wellness, physical fitness, violence prevention, communication skills, healthy relationships, stress-management and refusal skills in a variety of social settings.

Students will acquire and demonstrate these skills while participating in military leadership training modeled on USAF standards. This instruction will include individual and small unit marching drills, training in military ceremonies and performing in public settings such as parades and formal meetings. As part of the Cadet Corps, students will also participate in regular inspections designed to assess their overall appearance, grooming, appropriate dress and military bearing.

ROTC students will learn appropriate self-control, discipline and initiative as both a follower and an emerging leader. Students will learn how the decisions they make can affect their health for the rest of their lives. Great emphasis is placed on the importance of effective & ethical decision-making skills and goal-setting. This instruction will empower the individual as a student, as a Cadet and as a citizen. The ROTC Aerospace Science I course meets the same state standards and course objectives as the courses offered in traditional classroom settings. ROTC instruction in military history, customs and practices are graded components of this course. Students involved in the program will benefit by acquiring self-discipline, focus and resiliency that has assisted them greatly in high school and beyond.

The physical training and wellness program is also taught each term. Voluntary membership in the AFJROTC Program provides numerous opportunities to build self-confidence and character. Mandatory attendance and participation is required at two events each semester. These include an early morning inspection each semester and the Homecoming Parade (1st semester) and the Dining Out/Military Ball (2nd semester). The ROTC Aerospace Science I course units provide for multiple opportunities for students to practice their acquired skills and further their personal development. Students will also benefit socially by being part of a community working towards common goals and missions.

Meets the Vocational Education Graduation Requirement
One full year satisfies one semester of the PE Graduation Requirement when passing both semesters or
One full year satisfies the Healthy Living Graduation Requirement
Prerequisite: Aerospace Science I or second year ROTC participant.

The second year of Aerospace Science is a science course designed to acquaint the student with four major flight concepts. The first is knowledge of how airplanes fly to include the principles and physics of flight, the functions of airplane parts, flight power and innovation. Flight conditions are reviewed to understand the aerospace environment, including atmospheric composition, weather elements, forecasting and aviation weather effects on flight. The third area is the physiology of flight on the human body which includes protective equipment and training. Finally navigation principles are studied, including basic navigational elements and navigation aids, flight instrumentation and navigation technologies.

Leadership hours stress communication skills, understanding individual and group behavior, and basic leadership and team-building concepts. Written reports and speeches compliment academic materials. Corps activities include performing in-flight and staff positions and require cadets to use leadership skills to execute these duties. Co-curricular activities serve to augment classroom and leadership education requirements. Cadets plan and attend dining-outs, awards banquets, and military balls. Model Rocketry and Static Model Programs are provided and cadets go on curriculum in-action trips to military bases, flights on airplanes, summer leadership schools, aerospace facilities and industries, civilian airports, parades, and competitions.

The physical training and wellness program is also taught each term. Voluntary membership in the AF/JROTC Program provides numerous opportunities to build self-confidence and character. Mandatory attendance and participation is required at two events each semester. These include an early-morning inspection each semester and the Homecoming Parade (1st semester) and the Dining Out/Military Ball (2nd semester).

Meets the Vocational Education Graduation Requirement
One full year satisfies one semester of the PE Graduation Requirement
AEROSPACE SCIENCE III

Grades: 11-12  5/10 Credits  Semester/Year

Prerequisite:  Aerospace Science II or third year ROTC participants.

The third year of Aerospace Science is a science course which examines four major concepts. The first area is the space environment, including the history of astronomy, the earth and our moon, the sun and our solar system and deep space. The second concept revolves around exploring space to include the challenges of working in and living in space. The third area involves manned and unmanned space flight programs, looking back at our progress and future direction. Finally the concept of space technology is reviewed to understand space orbits and trajectories, rockets and launch vehicles, and robotics and commercial uses of space.

Leadership hours emphasize "Life Skills" which include understanding the importance of obtaining a degree or skills after high school, comprehending that proper job search is needed to obtain employment, the importance of financial planning, understanding the career opportunities available through the federal government, NASA, FAA, and the military. Corps activities include holding positions of greater responsibility and using their communicative, leadership, and management skills to execute these duties.

Cadets continue to participate in co-curricular activities and curriculum in-action trips. The physical training and wellness program is also taught each term. Voluntary membership in the AF/JROTC Program provides numerous opportunities to build self-confidence and character. Mandatory attendance and participation is required at two events each semester; these include an early-morning inspection each semester and the Homecoming Parade (1st semester) and the Dining Out/Military Ball (2nd semester).

Meets the Vocational Education Graduation Requirement
One full year satisfies one semester of the PE Graduation Requirement
AEROSPACE SCIENCE IV

Grade: 11-12  5/10 Credits  Semester/Year

Prerequisite:  Aerospace Science III or fourth year ROTC participant.

The cadets run the entire Corps in the fourth year of Aerospace Science. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision making will be done by the cadets. They practice their communication, decision making, personal interaction, managerial, and organizational skills.

Leadership hours include comprehending the importance of management, the techniques and skills involved in making management decisions, the concepts and skills of problem solving, decision making, negotiating, and the importance of managing yourself and others. Co-curricular activities and curriculum in-action trips are continued.

The physical training and wellness program is also taught each term. Voluntary membership in the AF/JROTC Program provides numerous opportunities to build self-confidence and character. Mandatory attendance and participation is required at two events each semester; these include an early-morning inspection each semester and the Homecoming Parade (1st semester) and the Dining Out/Military Ball (2nd semester).

Meets the Vocational Education Graduation Requirement
One full year satisfies one semester of the PE Graduation Requirement

ROTC DRILL TEAM

Grades: 9-12  5/10 Credits  Semester/Year

Prerequisite:  Senior Aerospace Science Instructor approval is required.

This course furthers the AF/JROTC mission of building better citizens for America with a concentrated curriculum that focuses on leadership, followership, discipline, responsibility and teamwork.

The entire drill team is composed of numerous smaller teams run directly by the cadet leadership. These teams may include the Marching Unit, Unarmed and Armed Drill Teams, Saber Team, and Competition Color Guard. These teams practice drill routines choreographed by the cadets and the teams regularly participate in public competitions and demonstration events at parades and drill meets. Voluntary membership in the AF/JROTC Drill Team provides numerous opportunities to build self-confidence and character. Attendance at all non-voluntary rehearsal and performances is required.

Each semester meets 5 credits of the Physical Education Graduation Requirement
SCIENCE

Summary of Courses

- Agriculture Biology
- Agriculture Geophysical Science
- Anatomy & Physiology
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics I
- AP Physics II
- Biology (Includes Sheltered)
- Chemistry
- College Geology
- Geophysical Science (Includes Sheltered)
- Honors Biology
- Honors Chemistry
- Honors Geophysical Science
- Honors Physics
- Physics

Alternate Science Courses
- Sports Therapy (ROP)
- Veterinary Science

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.
AGRICULTURE BIOLOGY

Grades: 10-12  10 Credits  Year

Prerequisite:  Recommended "C" or better in Algebra A or concurrently enrolled in Algebra I/Math I.

Agriculture Biology is a laboratory science course for the college-bound student. The course emphasizes detailed knowledge of the central concepts, principles, and basic factorial material of the following topics: molecular and cellular aspects of living things; structure and function of agriculture plants and animals; genetics; plant and animal diversity; principles of classification; ecological relationships; and animal behavior.

Meets the UC/CSU “d” Requirement
Meets Life Science Graduation Requirement

AGRICULTURE GEOPHYSICAL SCIENCE

Grades: 9-12  10 Credits  Year

Prerequisite:  None

This course explores the relationship between physical science, earth science, and agriculture. Everything from astronomy to geology to basic physics is covered in this course. A supervised project will be required.

Meets the Physical Science Graduation Requirement

ANATOMY & PHYSIOLOGY

Grades: 11-12  10 Credits  Year

Prerequisite:  Biology and Algebra I/Math I with "C" or better

Anatomy Physiology is a study of the structure and function of the human body. The body will be viewed as a whole using anatomical terminology necessary to describe location. Focus will be at both macro and micro levels reviewing cellular functions, biochemical processes and organ systems interactions. Laboratory experiences, dissection and text-based activities provide student learning in the following topics. Major body systems, how the body system works together to provide homeostasis, body functions in the healthy and diseased states, blood typing, muscle action, cranial nerve functioning, and bioethics. Provides appropriate background knowledge for many medical related careers, e.g. pharmacy technician, x-ray technician, etc.

Meets Elective Credit Only
ADVANCED PLACEMENT BIOLOGY

**Grades: 10-12**

**Credit:** 10 Credits

**Year**

**Prerequisite:** Recommended successful completion of Biology, recommended "B" or better in Algebra I/Math I and most recent science class. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Advanced Placement (AP) Biology complements the topics covered in Honors Biology. These topics are covered in-depth at the college level.

*Meets the Life Science Graduation Requirement*
*Meets the UC/CSU “d” or “g” Requirement*
*Approved by College Board Audit*

ADVANCED PLACEMENT CHEMISTRY

**Grades: 11-12**

**Credit:** 10 Credits

**Year**

**Prerequisite:** Successful completion of Chemistry and Algebra I/Math I and concurrent enrollment or completion of Algebra II. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Advanced Placement Chemistry provides students with the opportunity to acquire the knowledge and skills necessary to take and to pass the AP Chemistry test administered in May. It is the equivalent of a general chemistry course usually taken during the first year of college. A primary goal of the course is for students to attain a depth of understanding of fundamental concepts and to be competent in dealing with general chemistry problems. Students develop the knowledge and skills identified in District standards for this course.

*Meets the Physical Science Graduation Requirement*
*Meets the UC/CSU “d” or “g” Requirement*
*Approved by College Board Audit*

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

**Grades: 10-12**

**Credit:** 10 Credits

**Year**

**Prerequisite:** Recommended “B” or better in College Prep Math. Commitment to prepare for and take the Advanced Placement exam. AP contract on file.

The Advanced Placement Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of natural work, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. This course is an interdisciplinary science course combining geology, biology, environmental studies, environmental science, chemistry and geography.

*Meets the Physical Science Graduation Requirement*
*Meets the UC/CSU “d” or “g” Requirement*
*Approved by College Board Audit*
ADVANCED PLACEMENT PHYSICS I

Grade: 10-12  
10 Credits  
Year

Prerequisite: Successful completion of Geometry with a “B” or better and have completed or are concurrently enrolled in Algebra 2.

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion): work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” Requirement
Meets the NCAA Requirement

ADVANCED PLACEMENT PHYSICS II

Grade: 10  
10 Credits  
Year

Prerequisite: Successful completion of AP Physics 1 or equivalent and have completed or are concurrently enrolled in a college-prep mathematics course (i.e. Pre-Calculus of higher)

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” Requirement
Meets the NCAA Requirement
BIOLOGY (Includes Sheltered)

Grades: 9-12 (Grades 10-12 at PHS) 10 Credits Year

Prerequisite: A grade of "C" or better in Algebra I/Math I (or concurrent enrollment in Algebra I/Math I at JVHS & RHS)

Biology is an advanced laboratory science course covering characteristics of life; the chemical and structural basis of life; basic biochemistry; cellular composition; growth and reproduction; principles of genetics and heredity; theories of evolution; anatomy and physiology; and ecological relationships among all organisms.

*Meets the Life Science Graduation Requirement*

*Meets the UC/CSU “d” Requirement*

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CHEMISTRY

Grades: 10-12 10 Credits Year

Prerequisite: Algebra I/Math I with a minimum letter grade of a "C" or better. Concurrent enrollment in a college preparatory math class (Algebra II recommended). Completion of Biology course prior to enrollment into this course is recommended.

The aim of the course is to enable students to develop a better understanding of their physical world. The central theme of the course is the basic principle that the properties of matter are a consequence of the structure of matter. The course takes a balanced approach in accomplishing this by combining chemical theories, concepts, and quantitative problems with applications and current practice of chemistry to develop interest and curiosity of students. A percentage of the course is devoted to a laboratory program. This portion of the course actively involves the student in determining the relationship between experimental evidence and scientific belief.

*Meets the Physical Science Graduation Requirement*

*Meets the UC/CSU “d” Requirement*

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COLLEGE GEOLOGY

Grades: 11-12 10 Credits Year

Prerequisite: Completion of Chemistry and Algebra 2 with a “C” or better

This is a college-level course that covers the geologic processes affecting the solid earth and its atmosphere, oceans, and life forms. Emphasis will be placed on our knowledge of the evolution of the earth based on the rock and fossil record. Field and laboratory exercises will include the investigation of physical processes and materials, and the interpretation of environments and ecological associations. This course is offered for dual credit with CSU Bakersfield (Geo 201).

*Meets the Physical Science Graduation Requirement*

*Meets the UC/CSU “d” Requirement*

*Meets NCAA Requirement*
GEOPHYSICAL SCIENCE (Includes Sheltered)

Grades: 9–12  
10 Credits  
Year

Prerequisite: None

Geophysical Science is the combination of earth and physical sciences. Earth Science is a course designed to present modern earth, space, and meteorological concepts to students on a first-time exposure basis. The course focuses on interaction with the environment which will lead students to an appreciation of the constant forces that are building up and wearing down the earth's surface, and the balance maintained between them. Physical Science is designed to present modern earth, space, and meteorological concepts to students in three physical science study areas: 1) physics, 2) chemistry, and 3) astronomy.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “g” (Elective) Requirement

HONORS BIOLOGY

Grades: 9-12  
10 Credits  
Year
(9th Grade "B" or Better in Algebra I/Math I)

Prerequisite: Completion of Honors Geophysical Science with a grade of "B" or better or teacher recommendation or identified GATE student. This course is taken by honor level students in lieu of Biology.

Honors Biology is an expanded laboratory science course covering the California State Science Standards which includes: chemical nature of life, anatomical relationships showing relatedness of all life (taxonomy), growth and reproduction, genetic principles, cellular basis of life, biochemistry, organic variation (evolution), comparative anatomy and physiology, human evolution, human physiology/anatomy, general ecological principles. In addition to the basic topics mentioned, the course also covers advanced topics like philosophy of science, current concepts/theories, history of biology/philosophy, genetic engineering and related topics.

Meets the Life Science Graduation Requirement
Meets the UC/CSU “d” Requirement
**HONORS CHEMISTRY**

**Grades:** 10-12  
**10 Credits**  
**Year**

**Prerequisite:** Identified GATE student or completion of Honors Geophysical and Biology/Honors Biology with a grade of "A" or "B." Permission of instructor or previous science instructor and concurrent enrollment in college prep math course, Algebra II or higher recommended. This course is taken by honors students in lieu of Chemistry.

This is an advanced introductory chemistry course that covers the California State Science Standards. The aim of the course is to enable students to develop a better understanding of their physical world and to prepare students for the rigors of a "like college" course. The central theme of the course is the basic principle that the properties of matter are a consequence of the structure of matter. The course takes a balanced approach in accomplishing this by combining chemical theories, concepts, and quantitative problems with applications and current practices of chemistry to develop interest and curiosity of students. Twenty-five percent of the course is devoted to a laboratory program. This portion of the course actively involves the student in determining the relationship between experimental evidence and scientific belief.

*Meets the Physical Science Graduation Requirement*  
*Meets the UC/CSU “d” Requirement*

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**HONORS GEOPHYSICAL SCIENCE**

**Grade:** 9  
**10 Credits**  
**Year**

**Prerequisite:** Grade of "B" or better in last math and science classes.

Honors Geophysical Science is a melding of earth science, astronomy, chemistry, and physics. This course builds within students a strong conceptual and mathematical base in these areas. Add the development of laboratory techniques and skills to this base and students will have mastered the science standards needed to succeed in biology, chemistry, and physics. Topics are studied conceptually and mathematically with a strong emphasis on laboratory techniques. Students develop the knowledge and skills identified in State standards for this course.

*Meets the Physical Science Graduation Requirement*  
*Meets the UC/CSU “g” Requirement*
HONORS PHYSICS

Grades: 11-12 10 Credits Year

Prerequisite: Completion or concurrent enrollment in Algebra II or higher. Completion of Chemistry/Honors Chemistry or Honors Geophysical with a grade of "B" or better.

Honors Physics explores the basic nature of our universe. This includes motion, forces, energy, matter, heat, sound, light, and atomic structure. Great emphasis is placed on developing students' problem-solving, laboratory, and engineering skills. Learning the proper study skills for introductory college science courses is an important goal of this course. Students learn science as a multi-disciplinary endeavor. The limitations of science are stressed, giving students the ability to evaluate new technologies.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” Requirement

PHYSICS

Grades: 10-12 10 Credits Year

Prerequisite: Concurrent enrollment in Algebra II or higher is recommended.

The aim of this course is to develop in students the ability to recognize and know physical laws. For those students entering college at a later time, acquaintance with physics provides them with the building blocks for intensive studies of other science courses they will experience. The central theme of this course, the interrelationship between matter and energy, applies to all science. The course takes a balanced approach to understanding this theme of combining physical laws, theories, and concepts with applications and current practices.

Meets the Physical Science Graduation Requirement
Meets the UC/CSU “d” Requirement
ALTERNATIVE SCIENCE

SPORTS THERAPY AND FITNESS

Grades: 10-12  

10-30 Credits  

Year

Prerequisite: Sixteen (16) years of age or older

Training for: Physical Therapy Aide  
              Athletic Trainer Assistant  
              Recreation Facility Attendant  
              Custodian (Athletic Equipment)

This class offers the opportunity to learn skills in athletic training, physical therapy, fitness and exercise. Instruction includes: basic first-aid, protective padding and taping, injury prevention, nutrition, and rehabilitative exercises. Knowledge of therapeutic treatments, skills to assist with free weights, isokinetic and universal equipment, and the proper maintenance of equipment will be instructed.

Meets the Life Science or Vocational Education Graduation Requirement

VETERINARY SCIENCE

Grades: 10-12  

10 Credits  

Year

Prerequisite: Grade "C" or better in Algebra I/Math I, or concurrent enrollment and completion of one agriculture course, or approval of instructor.

This course provides a study of common diseases of both small and large animals, as well as the causes and means of prevention. Course work will include anatomy and physiology of domestic animals, nutrition, and parasites and diseases. Guest lectures, veterinarians, and animal health technicians will also be provided to add knowledge of current practices that are implemented in the animal health fields. Students will gain practical experience in veterinary medicine by conducting hands-on activities with livestock.

Meets the Vocational Arts Graduation Requirement  
Meets one-half unit of the UC/CSU “g” Requirement  
Articulates to MSAC Animal Science 1
SOCIAL SCIENCE

Summary of Courses

- Agriculture Economics and Business Management
- American Civil Rights Movement
- American Government (Includes Sheltered)
- AP Art History
- AP Government and Politics: United States
- AP Human Geography
- AP Psychology
- AP United States History
- AP World History
- Economics (Includes Sheltered)
- Honors Economics
- Honors United States History
- Honors World Geography
- Honors World History
- Intro to Philosophy
- Mexican American/Chicano Studies
- Psychology
- Sociology
- United States History (Includes Sheltered)
- World Geography
- World History (Includes Sheltered)
- World War II

In all classes, instruction is modified for English Learners using appropriate strategies to make content comprehensible in order to provide equal access to the core curriculum.
AGRICULTURE ECONOMICS AND BUSINESS MANAGEMENT

Grades: 11-12  10 Credits

Prerequisite: Completion of one previous agriculture course.

America's agricultural industry is the mainstay of the United States economy. Understanding economics and regulations of this diverse industry is critical to its continued success and prosperity. Students will study microeconomics, macroeconomics, economic systems, and agricultural marketing. The class will run its own business, manage other businesses, and visit many others to gain first-hand understanding of the industry. Computers will be used to learn economic analysis and interpretation. Leadership and Future Farmers of America (FFA) will be explored and/or reviewed, and a supervised project will be required. Students develop the knowledge and skills identified in State standards for this course.

Meets Economics and Vocational Education Graduation Requirement

AMERICAN CIVIL RIGHTS MOVEMENT: THE STRUGGLE FOR EQUALITY

Grades: 9-12  5 Credits

Prerequisite: None

The Civil Rights Movement is one of the most significant and exciting sources of social change in the United States during the 20th Century. This course examines and evaluates the 100 year struggle for social, political, and economic equality from the time of slavery and post-Civil War Reconstruction through the 1960s fight for the end of racial segregation and equal rights and opportunities for all African Americans, other minority cultures and women.

Meets the Social Science Graduation Requirement

AMERICAN GOVERNMENT (includes Sheltered)

Grade: 12  5 Credits

Prerequisite: None

This course in American Government is concerned with the organization and function of the national state and local government in the United States. Emphasis is placed upon the citizen's relationship to each level of government. World government philosophies are reviewed and comparatively analyzed. Service-learning hours can be a component of the class.

Meets the Social Science Graduation Requirement

Meets the UC/CSU “a” Requirement
ADVANCED PLACEMENT ART HISTORY

Grades: 11-12 10 Credits Year

Prerequisite: A grade of "B" or better in World History or teacher approval and commitment to prepare for and take AP Exam. AP contract on file.

This History of Art survey class is designed to expose students to an understanding of works of art and the times in which they were created. Students will develop the ability to discuss and write about works of art. They will become acquainted with major forms of artistic expression in our time as well as from other times and cultures. This course will be taught in two semesters. The first semester will cover Antiquity to the Middle Ages. The second semester will cover 1400 to present. Students may obtain college credit with a passing score on the Advanced Placement examination in May. Course includes 1-2 field trips.

Meets the Fine Arts Graduation Requirement
Meets the UC/CSU "f" or "g" Requirement
Approved by College Board Audit

ADVANCED PLACEMENT GOVERNMENT AND POLITICS: UNITED STATES

Grade: 12 10 Credits Year

Prerequisite: Grade of “B” or better in US History. Student commitment to summer reading assignments and to greater depth and acceleration in the study of this subject. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

This course examines the organization and function of national, state, and local government in the United States. Emphasis is placed on the citizen’s relationship to each level of government. Political philosophies are comparatively analyzed. This course will make demands upon the student equivalent to those made in a college level political science course. Students are expected to take the Advanced Placement Exam administered in May. Students develop the knowledge and skills identified in State standards for this course.

Meets the Government Graduation Requirement
Meets the UC/CSU “a” or “g” Requirement
Approved by College Board Audit
ADVANCED PLACEMENT HUMAN GEOGRAPHY

Grades: 9-12  
10 Credits  
Year

**Prerequisite:**  
9th & 10th Grade: End of year grade of “B” or higher in ELA for two consecutive years.  
11th & 12th Grade: End of year grade of “B” or higher in History and ELA.

AP Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

*Meets the Social Science Graduation Requirement*
*Meets the UC/CSU “a” or “g” Requirement*
*Approved by College Board Audit*

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ADVANCED PLACEMENT PSYCHOLOGY

Grades: 11-12  
10 Credits  
Year

**Prerequisite:**  
Algebra I/Math I or above. Recommended “A” or “B” in most recent English course.  
Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

Advanced Placement Psychology introduces students to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. The AP Psychology course stresses critical thinking, reading, and writing within the context of scientific methodology and questioning. Another goal of the course is to make sure that students understand how psychology applies to the real world.

*Elective credit only*
*Meets the UC/CSU “g” Requirement*
*Approved by College Board Audit*
ADVANCED PLACEMENT UNITED STATES HISTORY

Grades: 11-12 10 Credits Year

**Prerequisite:** Students with a "B" or better in World History and English 10. Successful completion of AP World History and student commitment to prepare for and take the Advanced Placement Exam. AP contract on file.

Advanced Placement United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States History. Students will assess historical materials to determine their relevance to a given interpretative problem, their reliability and their importance and to weigh the evidence and interpretations presented in historical scholarship. This course will make demands upon the student equivalent to that of a full-year college level course. Students will be encouraged to take the Advanced Placement Exam for possible college credit.

*Meets the US History Graduation Requirement*
*Meets the UC/CSU "a" Graduation Requirement*
*Approved by College Board Audit*

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ADVANCED PLACEMENT WORLD HISTORY

Grades: 10-12 10 Credits Year

**Prerequisite:** Completion of English 9 with a “B” or better. Student commitment to summer reading assignments and to greater depth and acceleration in the study of this subject. Student commitment to prepare for and take the Advanced Placement exam. AP contract on file.

The purpose of the Advanced Placement World History course is to develop greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Focused primarily on the past thousand years of global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000 B. C. The era is global in focus following the intensifying international contacts among Asia, Europe, Saharan, and Sub-Saharan Africa. It examines the empires of China and Mesoamerica, the expansion of Islam, Mongol dominance, the period of new political units in Africa and Europe, cultural and social aspects, and trade.

*Meets the World History Graduation Requirement*
*Meets the UC/CSU “a” Requirement*
*Approved by College Board Audit*
ECONOMICS (Includes Sheltered)

Grade: 12  
5 Credits  
Semester  

Prerequisite: None

Economics introduces the students to the basic principles of economics and the fundamental operations of the American system of free enterprise. The students will learn about effective decision making, using microeconomic and macroeconomic theory in terms of supply and demand, the Federal Reserve System, energy and economics, as well as the comparison of other economic systems of the world.

Meets the Social Science Graduation Requirement  
Meets the UC/CSU “g” Requirement

HONORS ECONOMICS

Grade: 12  
5 Credits  
Semester  

Prerequisite: Successful completion of U.S. History in the 11th grade (C or better and teacher recommendation)

Students will explore the following elements of economics:

Micro Economics: Coverage includes economics of households, business firms, and markets; consumer behavior and the demand for commodities; production, costs, and the supply of commodities; price determination; competition and monopoly; efficiency of resource allocation; governmental regulation; income distribution; and poverty.

Macro Economics: National economic performance; the problems of recession, unemployment, and inflation; money creation; government spending and taxation; economic policies for full employment and price stability; and international trade and payments.

Meets the Economics Graduation Requirement  
Meets the UC/CSU “a” Requirement
HONORS UNITED STATES HISTORY

Grade: 11 10 Credits Year

Prerequisite: Successful completion of World History in the 10th grade (C or better and teacher recommendation)

This course will primarily focus on the founding of the United States through the present-day. Included in the course is an overview and political analysis of America’s continual search for its appropriate role in the world. The course examines the assumptions, theories, and concepts that have shaped and continue to influence American policies domestically and in the international arena. Students approach their study of United States affairs by the use of contemporary analytic methods and investigative techniques of the social sciences and the historical, cultural, and philosophical contexts in which events have occurred. This course also includes components that satisfy the Common Core State Standards in History/Social Sciences. Skills development is enhanced with a concentration on critical thinking, writing, and developing the ability to reason and experiment with solutions to issues that challenge citizens in a democratic society.

Meets US History Graduation Requirement
Meets the UC/CSU “a” Requirement

HONORS WORLD GEOGRAPHY

Grade: 9 10 Credits Year

Prerequisite: Successful completion of US History and English in the 8th grade (C or better)

Honors World Geography is a college-preparatory course (for 10th grade AP World History). The course is covered conceptually and explores topics such as Physical Geography, Human Geography, Change, Political Geography, Economics, and Globalization. This course will include lecture, note taking, independent practice, group projects, cooperative learning, student led projects, document based question analysis, essay and short writing assignments.

Meets the Culture Graduation Requirement
Meets the UC/CSU “a” Requirement
HONORS WORLD HISTORY

Grade: 10  5/10 Credits  Semester/Year

Prerequisite: A “B” or better in English 9/World History (teacher recommendation/departmental approval after reviewing application)

World History at the tenth grade level is a survey course that gives students the opportunity to explore recurring themes of human experience common to civilizations around the globe from the 1700s to contemporary times. A historical approach will be at the center of the course while students also develop and fine-tune their writing skills. An analysis of the cultural traits of civilizations will help students understand how people share their world and how their world shapes them. As students examine the historical roots of significant events, ideas and movements, they encounter the contributions and patterns of civilizations around the world. Students broaden their historical perspectives as they explore ways societies have dealt with stability and change, exemplified by issues such as war and peace, internal stability and strife, and the development of varying institutions. To become informed citizens, students require knowledge of the civilizations that have shaped the development of, not only the United States, but also the world. This course provides the foundation that enables students to acquire this knowledge which will be used in the study of United States History, Government and Economics

Meets the Modern World History Requirement
Meets the UC/CSU “a” Requirement
Meets the NCAA Requirement

INTRODUCTION TO PHILOSOPHY

Grades: 10-12  5 Credits  Semester

Prerequisite: 10th Grade- C or better in Pre AP or Honors English 9; 11th & 12th Grade – C or better in previous year’s English class

Philosophy is a course designed to introduce students to the basic, fundamental issues and questions which have perplexed philosophers and thinkers over the centuries. Through the use of a combination of direct instruction, Socratic discussion and dialogue as well as readings of great philosophers, students will be exposed to and wrestle with the ideas of Plato, Descartes, Aquinas, Kant, Locke, and many others. Major issues to be addressed include philosophy of knowledge, philosophy of religion, philosophy of science, determinism, and ethics.

Elective Credit Only
MEXICAN AMERICAN/CHICANO STUDIES

Grades: 9-12 5/10 Credits Semester/Year

Prerequisite: None

This course will focus on the history and cultures of Mexican-American and Chicano people both within and outside the United States. It is intended for students of all backgrounds and cultures. Students will examine the paths that led to the formation of the Chicano culture by analyzing ancient civilizations and studying the creation of a new civilization that came about from the European conquest. Students will develop an awareness of how the American society is, and has been, pluralistic and multicultural. Students will ultimately develop an appreciation and greater understanding for the richness and diversity of our society. This is a year course at Jurupa Valley High School.

Meets the UC/CSU “g” Requirement

PSYCHOLOGY

Grades: 10-12 5 Credits Semester

Prerequisite: None

This course introduces students to basic principles of psychology. Areas of study include: approaches to psychology, behavior, perception and motivation, principles of learning and intelligence, human development, personality, disorders and treatment, attitudes and beliefs.

Meets the UC/CSU “g” Requirement

SOCIOLOGY

Grades: 10-12 5 Credits Semester

Prerequisite: None

This is an introductory course designed to present the student with an overview of the process of scientific observation and an analysis of social behavior. Inquiry will be made into the social life of people and the resulting social products of group life. Emphasis will be placed upon the study of culture as a system of norms, the development of the personality, the processes of socialization, social order and control, the structure and future of the family, class and ethnic relations, human ecology and social change.

Meets the UC/CSU “g” Requirement
UNITED STATES HISTORY (Includes Sheltered)

Grade: 11  10 Credits  Year

Prerequisite: None

United States History examines the important events, ideas, people and movements of the United States in the 20th century. The course begins with two review units; the first covering the rise of democratic ideals and the ideological origins of the Founding Fathers and the American Revolution. The second review unit will emphasize the tests that shaped the new nation in the 19th century including industrialism.

The main study of the 20th century will focus on the topics delineated in the History-Social Studies Framework for California Public Schools. These will include, but not be limited to, the role of the federal government and courts in shaping United States society, establishment of civil and human rights for all Americans, the role of business and the economy in domestic and foreign affairs, effects of technology on American life and culture, and the continuing role of the United States as a world power in the 20th century. The course will be taught using primary sources, literature, drama, art, and technology to enhance the use of the text.

Meets the Social Science Graduation Requirement
Meets the UC/CSU “a” Requirement

WORLD GEOGRAPHY

Grade: 9-12  5 Credits  Semester

Prerequisite: Grade of “B” or better in 8th grade English and History or concurrent enrollment in AVID 9 This course is highly recommended for college-bound students (JVHS); None (PHS, RHS)

World Geography introduces students to the basic principles of geography, land forms, weather, climate, water, natural resources, demographic make-ups, cultural geography, world languages and religions. Emphasis is placed upon major geographical regions of the seven continents including the Pacific World. Map skills will be emphasized and world regions will be comparatively analyzed.

Meets the Social Science Graduation Requirement
Meets one-half the UC/CSU “a” Requirement
WORLD HISTORY (Includes Sheltered)

Grades: 10-12 10 Credits Year

Prerequisite: None

This course examines major turning points in shaping the modern world, from the late 18th century to the present. The course starts with a review of the rise of democratic ideas. Students review the ethical principles of religions of the world and their profound influence on historical developments.

The course focuses on the industrial revolution, rise of imperialism and colonialism, World War I and its consequences, totalitarianism, World War II, and nationalism in the modern world. The students gain an appreciation of cultural diversity while becoming acquainted with the major issues and events which bear upon a worldwide community of increasingly interdependent nations.

Meets the Social Science Graduation Requirement
Meets the UC/CSU “a” Requirement

WORLD WAR II

Grades: 9-12 5 Credits Semester

Prerequisite: None

World War II was the largest and most destructive war in human history. More than sixty five years after it ended, the war continues to shape to world. This course examines the causes, conduct, and consequences of this devastating conflict. Through readings, lectures, and video, the class will study the politics that shaped the involvement of the major combatants; military leadership and the characteristics of major Allied and Axis armed services; the national and theater strategies of the various major combatants; the military operations that led to victory or defeat on battlefields spanning the globe; war crimes; and other factors such as leadership, economics, military doctrine and effectiveness, technology, ideology, and racism that impacted the outcome of the war.

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