

**MORRO BAY HIGH SCHOOL**  
**SAN LUIS COASTAL UNIFIED SCHOOL DISTRICT**  
**California Distinguished School and National Blue Ribbon School**

**MISSION STATEMENT**

*The mission of San Luis Coastal Unified School District is to educate students to become self-sufficient individuals who are capable of making contributions to society and managing change in the culturally diverse world community. The district guarantees to provide the highest quality programs and services which will give all individuals the opportunity to realize their full intellectual, physical, creative, emotional and social potential.*

**Principal**  
**Assistant Principal**  
**Assistant Principal**

**Kyle Pruitt**  
**Jeff Cadwallader**  
**Heather Contreras**

**Counselors**

**Elena Smith**  
**Jennifer Sheridan**

**College/Career Specialist**  
**Counseling Secretary**

**Betty Ayotte**  
**Beth Sayler**

**W**elcome to Morro Bay High School, home of the Pirates. Upon entering high school each student is assigned a counselor based on the first letter of his/her last name. Your counselor will assist with all aspects of educational, career and personal planning. To make an appointment with your counselor, see the counseling secretary or go to our [website](#) to fill out the "Request to See Counselor" form. Your counselor will call you in as soon as possible. Educational and career information are available to students through the Counseling Office and College/Career Center.

Morro Bay High School has been recognized as a **California Distinguished School in 2005, 2009, and 2013** as well as a **National Blue Ribbon School**. MBHS has also been awarded a Silver Medal from U. S. News and World Report. Our students, parents, staff and community members alike have contributed to this outstanding recognition and academic success!

**UNDERSTANDING AND USING THIS BOOKLET**

- Review the Graduation Requirements
- Departments are listed alphabetically and many courses have a prerequisite.
- Classes are designated by grade level: 9 (Freshman), 10 (Sophomore), 11 (Junior) and 12 (Senior).
- Some courses are year-long (two semesters) and **may not** be entered mid-year (second semester).
- Courses that meet subject requirements are coded: (for example) Visual and Performing Arts [**VPA**]. Refer to page 2.
- Courses that meet Career and College Ready Pathways are coded: Career and Technical Education [**CTE**].
- The courses that meet UC/CSU and subject requirements are followed by "P" (College Prep), "H" (Honors), or "AP" (Advanced Placement) and are noted under the course title with the designation **College Entrance**.
- For more information, see your counselor or the instructor of the course or call the Counseling Department at 771-1845.

## GRADUATION REQUIREMENTS

There are three basic requirements needed to graduate from Morro Bay High School

### 1. Credits:

**230 Total Credits**  
**160 Core Requirements**  
**75 Elective Requirements**

Five credits are awarded for the successful completion of each semester course with a grade of "D" or better.

### 2. Core Requirements:

#### Credits Course Requirements

40	English
30	Mathematics (must include Algebra I)
20	Physical Education (unless exempted)
20	Science (must include 2 Semesters of Life Science and 2 Semesters of Physical Science)
30	Social Science
10	Foreign Language, Visual and Performing Arts or Career Technical Education
5	Health

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**155 Total Core Requirement**

**75 Elective Requirement**

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**230 Total Credits Required**

## GRADING INFORMATION

A student receives five credits for each class during a semester in which a passing grade (A, B, C, D) is earned. No credit is awarded prior to the completion of a semester. The cumulative grade point average is computed by awarding grade points (A=4, B=3, C=2, D=1, F=0) for all classes, and dividing by the number of classes. Certain designated classes are weighted to award increased grade points. Classes designated as Honors (H) or Advanced Placement (AP) receive an extra grade

point (A=5, B=4, C=3). D's and F's remain at 1 and 0 respectively.

## ALTERNATIVE PATHS TO MEET GRADUATION REQUIREMENTS

### 1. Early Graduation Process

A student who wishes to graduate early should meet with his/her counselor and obtain an Early Graduation Petition. All graduation requirements must be met prior to early graduation. Students will be allowed to return for senior activities and commencement.

### 2. Foreign Exchange

Students are encouraged to work with recognized foreign exchange organizations to insure quality placement in other countries. The counselor, parents, and student will agree upon and sign a foreign exchange contract, which indicates the courses required for graduation.

### 3. Concurrent and Accelerated Process

Students may enroll in college courses to fulfill high school requirements and/or to complete college enrichment courses. Students should contact their counselor for more information.

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## POST HIGH SCHOOL OPPORTUNITIES

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**COMMUNITY COLLEGES**  
**[www.opencapply.net](http://www.opencapply.net)**

California's 110 Community Colleges are designed to offer educational opportunities in two general areas:

1. Career Education: Curriculum offerings designed to prepare students for skilled employment. Certificates of Proficiency are offered in a wide variety of careers.
2. College Coursework:
  - a. To complete an Associate of Arts or Associate of Science Degree.
  - b. To complete General Education and Major Courses for transfer to a four - year college or university.

**UNIVERSITY OF CALIFORNIA  
&  
CALIFORNIA STATE UNIVERSITY**

A carefully planned program of high school courses provides you with the best preparation for university work. Mastering basic subjects and skills in high school, and developing good study habits increases a student's likelihood for success at the university level.

**CALIFORNIA STATE UNIVERSITY (CSU)  
& COLLEGES**  
[www.csumentor.edu](http://www.csumentor.edu)

California Maritime Academy  
California Polytechnic State University,  
Pomona  
California Polytechnic State University,  
San Luis Obispo  
CSU Bakersfield  
CSU Channel Islands  
CSU Chico  
CSU Dominguez Hills  
CSU Fresno  
CSU Fullerton  
CSU Hayward  
CSU Long Beach  
CSU Los Angeles  
CSU Monterey Bay  
CSU Northridge  
CSU Sacramento  
CSU San Bernardino  
CSU San Marcos  
CSU Stanislaus  
Humboldt State University  
San Diego State University  
San Francisco State University  
San Jose State University  
Sonoma State University

**UNIVERSITY OF CALIFORNIA (UC)**  
[www.universityofcalifornia.edu](http://www.universityofcalifornia.edu)

UC Berkeley  
UC Davis  
UC Irvine  
UC Los Angeles  
UC Merced  
UC Riverside  
UC San Diego  
UC Santa Barbara  
UC Santa Cruz  
UC San Francisco

**UC and CSU "a-g" SUBJECT  
REQUIREMENTS**

CSU/UC    UC  
Required    Recommended

- a. History/Social Science**    2 years
- b. English**    4 years
- c. Mathematics**    3 years    4 years  
Three years, including Algebra I, Geometry, and Algebra II.  
Math courses taken in grades 7 and 8 may be used to fulfill some of this requirement.
- d. Laboratory Science**    2 years    3 years
- e. Foreign Language**    2 years    3 years
- f. Visual and Performing Arts** 1 year

Students must complete one year long (2 semester) course from UC approved VPA courses.

- g. College Prep. Electives**    1 year  
One year, in addition to those required in "a-f" previous listed, chosen from the following areas: visual and performing arts, history, social science, English, advanced mathematics, laboratory science, and languages other than English. Also, Career Technical Education pathways have elective courses that are college prep electives to satisfy this requirement making a student career and college ready.

**UC and CSU SCHOLARSHIP and  
EXAMINATION REQUIREMENTS**

Eligibility for admission is based on the grade point average in the "a-g" subject requirements and the scores on either the **SAT** examination given by the College Board or the **ACT** test given by the American College Testing Program. The CSU's require the SAT or the ACT without writing. The UC's require the SAT and the ACT with writing. Please see [www.collegeboard.org](http://www.collegeboard.org) and [www.actstudent.org](http://www.actstudent.org) for more information.

**Grade Point Calculations**

For both the UC and the CSU, the grade point average calculation will include only those grades earned in UC approved courses (courses followed by a P, H or AP) which are taken during the 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grades of high school.

**Honors Points**

The UC and the CSU will award honors points in calculating the GPA for up to eight semesters of UC-approved honors-level courses and AP courses taken in 11<sup>th</sup> and 12<sup>th</sup> grades, including up to two UC-approved honors courses and AP courses completed in the 10<sup>th</sup> grade.

- For additional information regarding potential academic honors, please refer to the Student/Parent Handbook

## **COLLEGE ENTRANCE EXAMINATIONS**

Most colleges and universities require either the ACT (American College Test) or the SAT (Scholastic Aptitude Test) Reasoning Tests for admission. Please refer to the specific college to which you are applying to confirm college entrance test requirements. As stated above, CSU's will accept either the ACT (without writing) or the SAT Reasoning Test for admission. The UC's require either the ACT with Writing or the SAT Reasoning Test. In addition, a few colleges also recommend the SAT Subject Tests for admission. Be sure to check the individual colleges' website for specific test requirements.

### **SAT REASONING TEST and SAT SUBJECT TESTS** [www.collegeboard.org](http://www.collegeboard.org)

The SAT Reasoning Test measures what students have learned in school and how they apply that knowledge. The SAT is offered seven times a year. The SAT assesses critical thinking and problem solving skills in three areas: critical reading, mathematics, and writing. Please visit [www.collegeboard.org](http://www.collegeboard.org) for more information.

Most colleges do not require the SAT Subject Tests. Please check individual colleges' website for specific test requirements for admission. The SAT Subject Tests are offered six times a year. Each test takes one hour and students can take one, two, or three tests on a single test date.

The SAT® Program offers 20 Subject Tests that fall into five general subject areas: English, History, Mathematics, Science, and Languages. Please refer to the College Board's and the specific college's website for more information regarding test dates, registration and required tests for each college campus.

### **ACT (WITH OR WITHOUT WRITING) TEST** [www.actstudent.org](http://www.actstudent.org)

The ACT® test assesses high school students' general educational development and their ability to complete college-level work. The multiple-choice tests cover four skill areas: English, mathematics, reading, and science. The Writing Test, which is optional, measures skill in planning and writing a short essay.

The writing test is not required for the California State University System but is required for the University of California. For more information regarding the ACT test and college requirements, please visit the ACT and the specific college website.

**EDUCATION AND CAREER PLAN  
&  
REGISTRATION**

The Education and Career Plan is developed by each student with parent and counselor guidance in the 8<sup>th</sup> grade. This plan is integral to mapping a student's educational and career goals and progress to fulfilling high school graduation requirements and college entrance requirements. Each subsequent year through high school, students meet with their counselor to review and modify this plan. Registration for classes is also a fundamental part of the Education and Career Planning process. Students select their classes in the spring for the following school year.

**Schedule Changes**

Students' choices of classes are based on the selections made during the Education and Career Planning process and Registration. We cannot accommodate requests for specific teachers, periods or change in elective requests. Therefore, schedule changes will only be made for the following reasons:

1. Student lacks the prerequisites for the course.
2. Student needs to be in a different class because of a necessary change in class level placement.
3. The student did not request the course.

Teacher and student initiated schedule changes occur only during the specific time periods listed below:

**Student-Initiated Changes** are made by appointment with the counselor prior to the beginning of each semester. Fall semester appointments are the week prior to the start of school (See School Bulletin for specific dates and times). Spring semester appointments are in the

afternoon during Finals Week. See your student's schedule listing exact dates and times for Spring semester class changes. **All student-initiated changes are to be completed before the beginning of the new semester.**

**Teacher-Initiated Changes** may only occur during the first three weeks of the new semester for the reasons stated above. Students must meet with their teacher and have the teacher complete a Teacher-Initiated Schedule Change Form and submit it to the counselor. Counselors will then meet with students to adjust their schedule.



The Morro Bay High School Counseling Department's goal is to provide guidance and direction to every student to fulfill their academic and career potential. We are dedicated to working as a team with students, parents, and staff.

**SAN LUIS COASTAL UNIFIED SCHOOL DISTRICT  
2019-2020  
HIGH SCHOOL  
COURSE OFFERINGS AND COURSE DESCRIPTIONS**

Note: All AP and H courses count towards the cumulative weighted GPA for high school class rank.

All AP courses are approved by UC/CSU for weighted GPA.  
Honors courses are not approved by UC/CSU for weighted GPA, unless designated on the College Entrance note.

## **AGRICULTURE DEPARTMENT**

### **ELECTIVES IN AGRICULTURE**

**THESE COURSES WILL NOT TAKE THE PLACE  
OF THE REQUIRED SCIENCE/SOCIAL SCIENCE COURSES.**

#### **AGRICULTURE LEADERSHIP I**

**[Career and Technical Education]**

*Course Code:* 280410, 280420

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* None

*Length:* Two trimesters/semesters, repeatable

*College Entrance:* Meets one year of UC/CSU (g) Elective requirement

*Description:* The purpose of this course is to accent agriculture education and the Future Farmers of America (FFA) Association in developing young people to be premier leaders with a vision. Critical thinking and evaluation skills will be an important aspect of the curriculum. Just as important will be the incorporation of articulation skills, both written and verbal. Students will develop and enhance their leadership skills through self-enhancement, goal setting, cooperative learning, speech proficiency, parliamentary procedures, book reviews, and presentations. To maximize critical thinking skills, current events in agriculture will be brought in by the students and used in a decision-making forum. This process will include both written and oral skills.

**Note: Fall Ag Leadership A is open to all students. Ag Leadership B is aimed at state CDE (Career Development Event) team preparation and requires teacher approval prior to enrollment.**

#### **AGRICULTURE SPEECH COMMUNICATION**

**[Career and Technical Education]**

*Course Code:* 281510, 281520

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* None *Length:* Two trimesters/semesters, repeatable

*Description:* Speech will cover all aspects of physical delivery as well as written and verbal organization, and listening skills. Presentations will include speeches to inform, demonstrate, persuade, and entertain as well as oral interpretation and panel discussion. Special attention will be paid to topics in agriculture. Instruction is also given in leadership, citizenship, and project programs through department activities.

# ART DEPARTMENT

## **Art I P**

**[Visual/Performing Arts]**

*Course Code:* 120300

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* None

*Length:* One trimester/semester

*College Entrance:* Completing Art I and Art II meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

*Description:* This introductory course inspires students to think more creatively and improve his/her communication. Through a series of projects in various media students will be introduced to the elements and principles of visual art, such as line, shape/form, space, balance and emphasis. Students will develop art vocabulary in conjunction with the development of skills that will serve as the foundation for more complex works. Students will learn art techniques that will help develop skills to support creative expression as they explore the connections and application to visual arts. The importance of visual art in world culture is the foundation for exploring diverse topics in the history of art.

## **Art II P**

**[Visual/Performing Arts]**

*Course Code:* 120400

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* "C" grade or higher in Art I

*Length:* One trimester/semester

*College Entrance:* Completing Art I and Art II meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

*Description:* Students will further develop skills and knowledge of materials and concepts from Art I while exploring drawing, painting, design, printmaking and 2-d mixed media in a deeper way. Student will learn art techniques that will help develop skills to support creative expression as they explore the connections and application to visual arts. The importance of visual art in world culture is the foundation for exploring diverse topics in the history of art.

## **DRAWING II P**

**[Visual/Performing Arts]**

*Course Code:* 121400

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Drawing I P or consent of teacher

*Length:* One trimester/semester, repeatable

*College Entrance:* Completing Drawing I P and Drawing II P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

*Description:* Drawing II P is an advanced drawing class. Emphasis is on composition, design, and illustration techniques, while developing a more creative personal drawing style. Finished projects should be portfolio quality.

**CERAMICS I P****[Visual/Performing Arts]***Course Code:* 122100*Grade Level:* 10, 11, 12*Prerequisite:* None*Length:* One trimester/semester*College Entrance:* Completing Ceramics I P and Ceramics II P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.*Description:* Ceramics I P is a beginning course designed to teach students the nature of clay, basic hand building techniques of pinch coil and slab, basic ceramic sculpture construction, and glazes and glazing. Emphasis will be placed on craftsmanship and ceramic design. Notebook and/or sketchbook required.**CERAMICS II P****[Visual/Performing Arts]***Course Code:* 122200*Grade Level:* 10, 11, 12*Prerequisite:* Ceramics I P*Length:* One trimester/semester*College Entrance:* Completing Ceramics I P and Ceramics II P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.*Description:* Ceramics II P is an intermediate course in which the student learns how to throw on the potter's wheel and is encouraged to refine construction, sculpting, and decorative hand-building skills. Emphasis will be placed on advanced glazing and construction of projects using multiple methods.**DIGITAL PHOTOGRAPHY P****[Visual/Performing Arts]***Course Code:* 124110, 124120*Grade Level:* 9, 10, 11, 12*Prerequisite:* None*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (f) Visual and Performing Arts requirement*Description:* Digital Photography is a photography course in which students master technical skills in order to create photographic works of art. Students will learn digital camera operation, computer input and resolution, photo editing programs, printmaking and electronic presentation. Students will incorporate the elements and principles of design in their photographs and presentations.**[Technology Literacy]****[Career and Technical Education]****ADVANCED PHOTOGRAPHY, HYBRID ONLINE P****[Visual/Performing Arts]***Course Code:* 289310, 289320*Grade Level:* 10, 11, 12*Prerequisite:* Digital Photography P or consent of instructor*Length:* Two trimesters/semesters, repeatable*College Entrance:* Meets one year of UC/CSU (f) Visual and Performing Arts requirement.*Description:* This is an advanced digital photography class. The student will analyze elements of photo history through projects in photography. They will explore and practice advanced technical aspects of a digital camera, in-depth presentation techniques through contests and shows, while focusing on the master of artful composition through the elements and principles of design. The course is offered online. Students are required to attend class once every two weeks and complete lessons online with the option for regular class meetings, when necessary.**[Technology Literacy]****[Career and Technical Education]**



**INTRODUCTION TO MULTIMEDIA P**

Course Code: 285410, 285420

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters/semesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: Intro to Multimedia Art is an art class that combines artistic skill with technology. This class will enable students to achieve an understanding and appreciation of artistic expression and be able to use that expression to enhance communication. Students will create original digital arts projects using new and contemporary media techniques. Outside research is part of the curriculum. Students are required to keep design journals, critique their work and the works of others, and maintain portfolios of their artwork and writing. Integrated throughout the course are career technical education standards which include basic academic skills, communication, career planning, technology, problem solving, safety, responsibility, ethics, teamwork, and technical knowledge. This is a college preparatory course integrating the California Visual and Performing Arts Standards.

**[Visual/Performing Arts]  
[Technology Literacy]  
[Career and Technical Education]**

**TELEVISION & VIDEO PRODUCTION P**

Course Code: 288010, 288020

Grade Level: 11, 12

Prerequisite: Digital Photography or consent of teacher

Length: Two trimesters/semesters, repeatable

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course will provide students with the necessary skills to seek entry level employment or continue their education toward a degree in electronic communication/media.

The course includes practical application of the techniques of video production, sound recording, camera operation, and non-linear editing. Students will also learn job seeking, customer service, and marketing.

**[Visual/Performing Arts]  
[Technology Literacy]  
[Career and Technical Education ]**

# ENGLISH DEPARTMENT

## ENGLISH 9 P

[English]

*Course Code:* 150110, 150120

*Grade Level:* 9

*Prerequisite:* English 8 A or English 8 ACC

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (b) English requirement

*Description:* English 9 P is a comprehensive English/language arts program which focuses on responding to literature through reading, writing, speaking, and listening. It is a literature-based course which emphasizes the writing process, both creative and expository. This course is designed to enhance students' lifetime communication skills. Career Education objectives will be included in this course. This course teaches the ELA and ELD standards and provides both integrated and designated ELD for all EL students enrolled in this course who are not enrolled in an additional ELD section.

## ENGLISH 9 H

[English]

*Course Code:* 150210, 150220

*Grade Level:* 9

*Prerequisite:* English 8 A, English 8 ACC, or teacher recommendation

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (b) English requirement

*Description:* English 9 H is an accelerated English/language arts program which hones competencies in reading, writing, speaking, and listening. English 9 H is a literature-based course, which emphasizes the writing process, both creative and expository. This course is designed to improve students' ability to think critically through interpretation of literature. Career Education objectives will be included in this course.

## ENGLISH 10 P

[English]

*Course Code:* 151110, 151120

*Grade Level:* 10

*Prerequisite:* English 9 P or English 9 H

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (b) English requirement

*Description:* English 10 P is a world literature survey class. Students will read short stories, non-fiction, novels, drama, and poetry focusing on interpretation of the literature through essay writing and discussion. Speech, creative writing, and research paper units are included. English 10 P emphasizes the writing process and grammar through usage for lifetime communication skills. Career Education objectives will be included in this course. . This course teaches the ELA and ELD standards and provides both integrated and designated ELD for all EL students enrolled in this course who are not enrolled in an additional ELD section.

**ENGLISH 10 H****[English]***Course Code:* 151210, 151220*Grade Level:* 10*Prerequisite:* English 9 P, English 9 H, and/or teacher recommendation*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (b) English requirement

*Description:* English 10 H is an accelerated world literature class focusing on analysis of literature through writing essays and discussion. Students will apply principles of organization, clarity, purpose, audience, usage, mechanics, diction, and spelling in their compositions. Students will generate original theses supported by evidence. Units on creative writing (short stories and poems), the research paper, and speech are included. Career Education objectives will be included in this course.

**ENGLISH 11 P****[English]***Course Code:* 152110, 152120*Grade Level:* 11*Prerequisite:* English 10 P or English 10 H*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (b) English requirement

*Description:* English 11 P surveys American literature from 1604 to the present. The course will focus on literary analysis through research, composition, and discussion. Students will write formal and informal essays, conduct research, and participate in oral language activities. This course teaches the ELA and ELD standards and provides both integrated and designated ELD for all EL students enrolled in this course who are not enrolled in an additional ELD section.

**AP ENGLISH LANGUAGE AND COMPOSITION****[English]***Course Code:* 152310, 152320*Grade Level:* 11*Prerequisite:* English 10 P or English 10 H, teacher recommendation*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (b) English requirement

*Description:* English Language AP is an advanced class for the high school junior with an emphasis on American literature and composition. Students are involved in both the study and practice of writing and the study of rhetorical and analytical analysis of literature: fiction and non-fiction. Students 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 writing, students will become aware of the resources of language. Each student is expected to take the national Advanced Placement Examination in Language and Composition given in the spring of the school year. Upon successful completion of this test, college credit may be granted.

## **AP ENGLISH LITERATURE AND COMPOSITION**

**[English]**

*Course Code:* 153210, 153220

*Grade Level:* 12

*Prerequisite:* English 11 P or AP English Language and Composition and teacher recommendation

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (b) English requirement

*Description:* English Literature AP is an advanced class for the high school senior with an emphasis on British/world literature and composition. Students are involved in both the study 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 writing, students will become aware of the resources of language. Each student is encouraged to take the national Advanced Placement Examination given in the spring of the school year. Upon successful completion of this test, college credit may be granted.

## **EXPOSITORY READING AND WRITING P**

**[English]**

*Course Code:* 154110, 154120

*Grade Level:* 12

*Prerequisite:* English 11 P or AP English Language and Composition and students interested in preparing themselves to pass English placement tests in order to avoid taking remedial English courses in college

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (b) English requirement

*Description:* The goal of this course is to prepare college-bound seniors for the literacy demands of higher education. Through fourteen rigorous instructional modules, students develop advanced proficiency in expository, analytical, and argumentative reading and writing. They are expected to increase their awareness of rhetorical strategies used by writers and apply those strategies to their own writing.

## **ELECTIVES IN ENGLISH**

**THESE COURSES WILL NOT TAKE THE PLACE  
OF THE REQUIRED ENGLISH COURSES.**

### **INTRO TO LAW**

**[Career and Technical Education]**

#### **(ENGLISH 10 READING AND WRITING IN LAW AND PUBLIC SAFETY)**

*Course Code:* 331510, 331520

*Grade Level:* 9, 10, 11,12

*Prerequisite:* None

*Length:* Two trimesters / semesters

*College Entrance:* Meets one year approval of UC/CSU (b) English requirement

*Description:* In this course students survey the range of legal careers including paralegals, attorneys, social justice advocates, mediators and other occupations. The course provides students with a basis for understanding the American political and legal systems, with a focus on legal ideas and the legal process, how the law works and the sources of U.S. law. Legal research and writing are introduced.

**THEATRE I P****[Visual/Performing Arts]***Course Code:* 164100*Grade Level:* 9, 10, 11, 12*Prerequisite:* None*Length:* One trimester/semester*College Entrance:* Completing Theatre I P and Theatre II P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.*Description:* Theatre I P is a comprehensive beginning acting class. This class will include training in movement, voice, character development, and play analysis. Students will actively participate in exercises and classroom performances, as well as read and write about plays.**THEATRE II P****[Visual/Performing Arts]***Course Code:* 164200*Grade Level:* 9, 10, 11, 12*Prerequisite:* Theatre I P*Length:* One trimester/semester*College Entrance:* Completing Theatre I P and Theatre II P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.*Description:* Theatre II P is a skill-building class, reinforcing and developing the techniques learned in Theatre I P. This class will include training in stage movement, character analysis, character development, voice, and self-direction. Students will actively participate in exercises and performances, as well as read, discuss, and write about plays.**THEATRE III P****[Visual/Performing Arts]***Course Code:* 164370, 164380*Grade Level:* 10, 11, 12*Prerequisite:* Theatre II P*Length:* One trimester/semester, repeatable*College Entrance:* Meets one semester of UC/CSU (g) Elective requirement*Description:* Theatre III P is a performance class improving the techniques learned in Theatre II P. This class will include advanced acting, directing, stage movement, improvisation, voice training, dramatic criticism, study of literature, theatre history, and participation in performance.**JOURNALISM I****[Career and Technical Education]***Course Code:* 165110, 165120*Grade Level:* 9, 10, 11, 12*Prerequisite:* None*Length:* Two semesters*College Entrance:* Pending approval of UC/CSU (g) Elective requirement*Description:* Beginning Journalism I is an introductory course that allows students to use the skills involved in writing, designing and producing a school newspaper and news website.**JOURNALISM II****[Technology Literacy]  
[Career and Technical Education]***Course Code:* 165210, 165220*Grade Level:* 10, 11, 12*Prerequisite:* None*Length:* Two semesters*College Entrance:* Pending approval of UC/CSU (g) Elective requirement*Description:* This course is designed to give students the opportunity to learn the basics of journalism including interviewing, writing articles, editing, taking photographs, and producing a newspaper and maintaining an online website.

## **YEARBOOK PRODUCTION**

*Course Code:* 165410, 165420

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Journalism - Yearbook and/or consent of teacher

*Length:* Two trimesters/semesters, repeatable

*College Entrance:* Pending approval of UC/CSU (g) Elective requirement

*Description:* This course is designed to provide practical, specific experiences with the goal being publication of the yearbook. Topics that will be covered include writing copy, captions and headlines, designing layouts, desktop publishing, photography, communication skills, interviewing, independent thinking skills, and responsibility. Members are expected to assume the responsibilities and self-discipline necessary to contribute to the success of such an organization. Yearbook teaches real-world skills such as, meeting deadlines, working with your peers, working with advanced and professional technology, communication and responsibility.

**[Technology Literacy]**

**[Career and Technical Education]**

## **ENGLISH LEARNERS PROGRAM**

### **ENGLISH LANGUAGE DEVELOPMENT (ELD I, II)**

**[English]**

*Course Code:* Various/selected by counselor

*Grade Level:* 9, 10, 11, 12

*Description:* English Language Development instruction is based on the English Language Development Standards and provides designated ELD. Students learn to be proficient listeners, speakers, readers and writers of the English language. All ELD courses incorporate literature, critical thinking, the writing process, grammar, and study skills instruction.

### **ENGLISH LANGUAGE DEVELOPMENT (ELD III, IV)**

**[English]**

*Course Code:* Various/selected by counselor

*Grade Level:* 9, 10, 11, 12

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (b)English requirement.

*Description:* This course is a comprehensive, college preparatory, language arts program designed to address the ELA and ELD standards, and provide integrated and designated ELD. Instruction in each standards-based unit integrates the study of oral communication, reading, and writing. Students will participate in collaborative discussions by listening critically and using language to effectively communicate ideas based on purpose, context, and audience. They will read fiction and non-fiction texts for pleasure, understanding, practical application, and critical evaluation. Furthermore, they will analyze how writers and speakers use vocabulary and structure for specific purposes. Students will write and present a variety of paragraphs, essays, and reports (narrative, explanatory, argumentative), using the writing process and technology. The goal of instruction is for students to learn how to be independent, strategic, critical readers, writers, listeners, and speakers who communicate effectively in various forms, for genuine purposes, and to authentic audiences.

# FOREIGN LANGUAGE DEPARTMENT

## **FRENCH II P**

**[Foreign Language]**

*Course Code:* 180210, 180220

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* French I P

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement

*Description:* French II P is an extension of first year French. Students will develop intermediate communicative skills focusing on listening and speaking activities. The student will expand upon the basic reading and writing level acquired in French I P. Students will be introduced to intermediate grammatical concepts and verb tenses in the areas of speaking, listening comprehension, reading, and writing. Additional cultural capsules will be taught.

## **FRENCH III P**

**[Foreign Language]**

*Course Code:* 180310, 180320

*Grade Level:* 10, 11, 12

*Prerequisite:* French II P

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement

*Description:* French III P is designed to introduce the student to many advanced topics beyond those covered in the first two levels. More complex grammatical concepts will be used in listening, speaking, reading, and writing activities. Free composition and continued reading of appropriate level works will be stressed. Through a study of current events, students will become sensitive to cultural differences which exist in the world today.

## **FRENCH IV P**

**[Foreign Language]**

*Course Code:* 180410, 180420

*Grade Level:* 10, 11, 12

*Prerequisite:* French III P

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement

*Description:* French IV P is an advanced course which will refine the communicative skills and grammatical concepts learned in the previous three levels. Emphasis will be placed on reading. The class will be conducted solely in French. Stress will be placed on writing competently in the language. Through readings, cultural values and customs will be interpreted and discussed.

## **AP FRENCH LANGUAGE**

**[Foreign Language]**

*Course Code:* 180610, 180620

*Grade Level:* 10, 11, 12

*Prerequisite:* French III P

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement

*Description:* French Language AP is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and have a good command of French grammar and vocabulary and have competence in listening, speaking, reading, and writing. Although these qualifications may be attained in a variety of ways, it is assumed that most students will be in the final stages of their secondary school training and will have had substantial course work in the language.

**SPANISH I P****[Foreign Language]***Course Code:* 183110, 183120*Grade Level:* 9, 10, 11, 12*Prerequisite:* None*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement*Description:* Spanish I is a college preparatory, introductory course to the Spanish language and Hispanic culture. The emphasis will be given to activities focusing on essential language skills (listening, speaking, reading, and writing). The goal is to develop fluency and comprehension of the Spanish language. The student will gain an appreciation of Hispanic culture through readings, media, speakers, and geography. Formative skills in reading and writing will also be introduced.**SPANISH II P****[Foreign Language]***Course Code:* 183210, 183220*Grade Level:* 9, 10, 11, 12*Prerequisite:* Spanish I P*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement*Description:* This is a course designed for students continuing with their second academic year of college preparatory Spanish. Students will continue to develop all four language skills (listening, speaking, reading, and writing). The goal is to increase fluency and comprehension of the Spanish language. Students will be introduced to numerous, advanced grammatical concepts and vocabulary. Instruction will include insights into cultures and traditions of Spanish-speaking persons.**SPANISH III P****[Foreign Language]***Course Code:* 183310, 183320*Grade Level:* 9, 10, 11, 12*Prerequisite:* Spanish II P*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement*Description:* Third-year college-preparatory Spanish is designed to reinforce concepts covered in the first two levels while continuing acquisition of vocabulary and grammatical concepts. All four language skills are emphasized (listening, speaking, reading and writing). Cultures and traditions of Spanish-speaking persons are explored.**SPANISH IV P****[Foreign Language]***Course Code:* 183410, 183420*Grade Level:* 9, 10, 11, 12*Prerequisite:* Spanish III P*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement*Description:* Spanish IV is an advanced college preparatory course which will refine and expand the communicative skills and grammatical concepts learned in the previous three levels. All four language skills (listening, speaking, reading, and writing) will be utilized, with emphasis on reading and writing added to that of competent oral communication. The class will be conducted primarily in Spanish. Cultural values and customs will be explored.



**SPANISH V P****[Foreign Language]**

*Course Code:* 183510, 183520

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Spanish IV P

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU Language Other Than English requirement

*Description:* Spanish V P is intended for those students who have chosen to develop their proficiency in writing and conversation in the Spanish language to a more advanced level. This course stresses more complex and sophisticated oral skills, composition, and advanced grammar topics. Spanish V will focus on analysis of challenging works by many Spanish authors.

**AP SPANISH LANGUAGE AND CULTURE****[Foreign Language]**

*Course Code:* 183610, 183620

*Grade Level:* 11, 12

*Prerequisite:* Spanish III P

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement

*Description:* The AP program in Spanish language is intended for those who have chosen to continue to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should have a basic knowledge of the language, a good command of Spanish grammar and vocabulary, and have competence in listening, speaking, reading, and writing.

# FAMILY AND CONSUMER SCIENCE DEPARTMENT AND TECHONOLGY DEPARTMENT

## **DEVELOPMENTAL PSYCHOLOGY OF CHILDREN I P**

[Career and Technical Education]

*Course Code:* 193300

*Grade Level:* 10, 11, 12

*Prerequisite:* None

*Length:* One trimester/semester

*College Entrance:* Meets one semester of UC/CSU (g) Elective requirement

*Description:* This course is a comprehensive study of developmental stages of children from conception through preschool, including the major theories of development and their application.

## **DEVELOPMENTAL PSYCHOLOGY OF CHILDREN II P**

[Career and Technical Education]

*Course Code:* 193400

*Grade Level:* 10, 11, 12

*Prerequisite:* Developmental Psychology of Children I P

*Length:* One trimester/semester

*College Entrance:* Meets one year of UC/CSU (g) Elective requirement

*Description:* This course is a comprehensive study of developmental stages of children from preschool through early adolescence, including the major theories of development and their application.

## **TEACHING CAREERS**

[Career and Technical Education]

*Course Code:* 287410, 287420

*Grade Level:* 10, 11, 12

*Prerequisite:* Developmental Psychology of Children I & II

*Length:* Two trimesters/semesters, repeatable

*College Entrance:* Meets one year of UC/CSU (g) Elective requirement

*Description:* This course will prepare students for a rewarding, challenging and fulfilling career in education and teaching. The student will acquire and apply skills and knowledge related to workplace readiness skills; standards and credentialing regulations; child growth and development; positive interaction, guidance and discipline; developmentally appropriate practices; health and safety; roles of instructional assistant; planning and supervision of recreation activities; lesson planning and grading; use of computers and educational technology; classroom management and professionalism. Through community classroom experiences you will be given opportunities to assist with instructional activities and guidance of elementary children under the supervision of professional personnel.

# INDUSTRIAL TECHNOLOGY DEPARTMENT

## **INTRODUCTION TO AUTO P**

**[Career and Technical Education]**

Course Code: 200400

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

*Description:* This course provides an introduction to the basic functions of automobiles, including automotive capabilities, safety, and dangers. The course involves basic principles of accessory operation, familiarity of basic components, and the safe performance of the vehicle itself, promoting safe driving habits and proper use of all vehicle accessories. This course consists of approximately 80% classwork and 20% structured, in-shop laboratory experience.

## **AUTO I**

Course Code: 200100

**[Career and Technical Education]**

Grade Level: 10, 11, 12

Prerequisite: None

Length: One trimester/semester

College Entrance: Meets 1 year of UC/CSU (g) Elective requirement

*Description:* This course provides an introduction to the automobile and its supporting systems from a consumer's viewpoint. The course involves principles of operation, familiarity of basic components, and the safe performance of preventative maintenance in the following areas: engines, electrical, ignition, fuel, lubrication, cooling, tires, and emission control.

## **AUTO II**

Course Code: 200210, 200220

**[Career and Technical Education]**

Grade Level: 10, 11, 12

Prerequisite: Auto I

Length: Two trimesters/semesters

College Entrance: Meets 1 year of UC/CSU (g) Elective requirement

*Description:* This course provides information in advanced level skills required for maintenance of the automobile and its supporting systems from a technician's viewpoint. The course expands on the principles of operation and familiarity of components, and teaches the diagnostic and service procedures required to maintain the following systems: engines, cooling, lubrication, starting, charging, ignition, fuel, and emission control.

## **EXPLORE MANUFACTURING AND DESIGN I**

**[Technology Literacy]**

Course Code: 204710, 204720

**[Career & Technical Education]**

Grade Level: 9, 10, 11,12

Prerequisite: None

Length: Length: Two trimesters / semesters

College Entrance: Meets one year of UC/CSU (g) Elective Requirement

*Description:* This course is an opportunity to learn about the history of manufacturing, to develop an understanding of today's processes and think about what manufacturing may be like in the future. Students will have the opportunity to develop understanding and skills through a hands on experience with a variety of industry related tools. Students will design, create, present, and evaluated their own work and the work of their classmates. Students will also examine a variety of topics ranging from joining and fastening materials through welding, use of polymers, and other bonding agents.

**WELDING, FABRICATION, AND DESIGN II P**

*Course Code:* 202610, 202620

**[Career and Technical Education]**

*Grade Level:* 10, 11, 12

*Prerequisite:* Explore Manufacturing & Design I

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (g) Elective requirement

*Description:* This course involves learning welding techniques. These include certification requirements and advanced TIG and MIG. Project design and fabrication will be the major emphasis of this course. Supplies are included to meet the curricular objectives. However, individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

**ENGINEERING DRAWING & DESIGN III**

*Course Code:* 201710, 201720

**[Technology Literacy]**

**[Career and Technical Education]**

*Grade Level:* 11, 12

*Prerequisite:* Explore Mfg. & Design I & Welding, Fabrication & Design II

*Length:* Two trimesters/semesters, repeatable

*College Entrance:* This course is pending approval for UC/CSU (g) Elective requirement.

*Description:* This course will prepare students for entry-level jobs in Computer Aided Drafting. Using Auto CAD software, students will learn both two-dimensional and three-dimensional drawing.

# MATHEMATICS DEPARTMENT

## **ALGEBRA I P**

**[Mathematics]**

*Course Code:* 211210, 211220

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Math 8 or Math 8 ACC

*Length:* Two semesters

*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirement

*Description:* Instruction will focus on four critical areas: (1) deepen and extend understanding of linear and exponential relationships; (2) contrast linear and exponential relationships with each other and engage in methods for analyzing, solving, and using quadratic functions; (3) extend the laws of exponents to square and cube roots; (4) apply linear models to data that exhibit a linear trend.

## **GEOMETRY P**

**[Mathematics]**

*Course Code:* 211310, 211320

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Algebra I P

*Length:* Two semesters

*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirement

*Description:* Geometry is the second course in a five-year sequence of college preparatory mathematics courses that starts with Algebra I and continues through Calculus. Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of formal proof, exploring the properties of two and three dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the language of set theory to compute and interpret probabilities for compound events.

## **GEOMETRY H**

**[Mathematics]**

*Course Code:* 211410, 211420

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Algebra I P

*Length:* Two semesters

*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirement

*Description:* Geometry H is the second course in a rigorous sequence of college preparatory mathematics courses that start with Algebra I. The fundamental objective is to formalize and extend the geometry that students have learned in previous courses. Students will deepen their understanding of geometric relationships and explore geometric situations using formal mathematical arguments. Topics covered include: congruence, similarity, right triangle trigonometry, transformations, circles, geometric measurement and dimensions, solids, modeling with geometry, coordinate geometry, geometric constructions, formal geometric proofs and using the language of set theory to compute and interpret probabilities of compound events. Formal direct and indirect proofs are used to develop a deep understanding of both Euclidean and transformational Geometry. Concepts are explored at a deeper level than in Geometry P.

**ALGEBRA II P****[Mathematics]**

*Course Code:* 211510, 211520

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Algebra I and Geometry (P or H)

*Length:* Three trimesters/two semesters

*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirement

*Description:* Algebra II is the third course in a five-year sequence of rigorous college preparatory mathematics courses that starts with Algebra I and continues through Calculus. Algebra II aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

**ALGEBRA II H****[Mathematics]**

*Course Code:* 211610, 211620

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Algebra I and completion of or concurrent enrollment in Geometry (P or H)

*Length:* Three trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirement

*Description:* Algebra II H is the third course in a sequence of rigorous college preparatory mathematics courses that start with Algebra I. The fundamental objective is to formalize and extend the mathematics that students have learned in Algebra I and lay the foundation for future advanced mathematics courses. Students will learn the structure and the properties of the complex number system and its operations and develop the algebraic skills needed for the modeling and solving of quantitative problems that arise in real life, science and business using polynomial, rational, radical, logarithmic, and trigonometric functions. Topics include: finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, further investigation of conic sections, modeling periodic phenomena using trigonometry to include trigonometric identities and equations, and understanding the role of randomness and the normal distribution in making statistical conclusions. Concepts are explored at a deeper level than Algebra II P.

**PRECALCULUS P****[Mathematics]**

*Course Code:* 211710, 211720

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Algebra II P or Algebra II H

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirement

*Description:* This course develops the concepts and properties of the periodic trigonometric functions and their inverses with a more advanced, in-depth analysis: circular functions, periodicity and the graphing of the sine function and its variants, radian and degree measurement of angles, polar and rectangular coordinate systems, trigonometric identities, the graphing of polar and parametric functions, the conic sections of hyperbola, ellipse and parabola, the Law of Sines and the Law of Cosines, the complex number system in rectangular and polar form and the graphical analysis of rational polynomial functions.

**PRECALCULUS H****[Mathematics]***Course Code:* 211810, 211820*Grade Level:* 11, 12*Prerequisite:* Algebra II P with a grade of "A" or "B" or teacher recommendation, Algebra II H is recommended.*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirement; UC/CSU approved for weighted grade credit*Description:* This course develops the concepts and properties of the periodic trigonometric functions and their inverses with a more advanced, in-depth analysis: circular functions, periodicity and the graphing of the sine function and its variants, radian and degree measurement of angles, polar and rectangular coordinate systems, trigonometric identities, the graphing of polar and parametric functions, the conic sections of hyperbola, ellipse and parabola, the Law of Sines and the Law of Cosines, the complex number system in rectangular and polar form and the graphical analysis of rational polynomial functions.**AP CALCULUS AB****[Mathematics]***Course Code:* 212210, 212220*Grade Level:* 10, 11, 12*Prerequisite:* Pre-Calculus P or Pre-Calculus H with a grade of "A" or "B" or teacher recommendation*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirement*Description:* This is a course designed for students who plan to major in mathematics, science, or engineering at a college or university. The course will provide each student with a thorough understanding of differential and integral calculus as outlined by the College Board for Calculus AP. This course will weave together arithmetic, algebra, geometry, trigonometry, and problem solving as they apply to the study of calculus.**AP STATISTICS****[Mathematics]***Course Code:* 212310, 212320*Grade Level:* 11, 12*Prerequisite:* Algebra II P or Algebra II H*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (c) Mathematics requirements*Description:* Statistics AP is a project-centered course that acquaints students with the major concepts and tools for collecting, organizing, and analyzing data. Students will then draw conclusions from their analyses.

In this course, students will be calculating probabilities, summarizing distributions of univariate data, studying random variables and sampling distributions. They will be comparing distributions of data, utilizing confidence intervals, calculating standard deviation and variance, utilizing the Normal distribution and Chebyshev's Theorem, creating data analyses. Students will be designing experiments, testing hypotheses, comparing two means in two sample statistics, utilizing least squares regression in simple linear regression models, and reporting their findings.

Students will frequently work on projects involving the hands-on gathering and analysis of real world data. Computers and calculators will allow students to focus in-depth, applying their knowledge of concepts involved in their statistical studies. This course prepares students for the Advanced Placement Examination in Statistics. Students will be prepared with all content knowledge prior to the examination. Time remaining after the exam will be dedicated to a large culminating project including references, data collection, and good sampling techniques. Their projects will contain an appropriate, thorough statistical analysis. Students present their projects to the class as part of their project grade.

**EAP Senior Math****[Mathematics]***Course Code:* 212910, 212920*Grade Level:* 12*Prerequisite:* Successful Completion of Algebra 2*Length:* Two trimesters/semesters 60*College Entrance:* Pending approval for UC/CSU (c) Mathematics requirements

*Description:* This course is designed to strengthen mathematical foundation and to prepare students to be successful in college level math. The goal of the course is to deepen conceptual understandings of mathematical theory, skills and strategies. Utilizing practical life applications this course serves both college and career bound high school seniors. Competencies and specific course outcomes are: Linear, Exponential and Quadratic Expressions and Functions, Systems of Equations, Rational Expressions, Problem Solving Strategies, Absolute Value Expressions and Equations, Financial Math, and Geometry.



# MUSIC DEPARTMENT

## **SYMPHONIC BAND I**

**[Visual/Performing Arts]**

Course Code: 221610, 221620

**[Career and Technical Education]**

Grade Level: 9, 10, 11, 12

Prerequisite: Participation in Middle School Band or experience playing an instrument. If a student does not have any band experience, please discuss enrollment with the instructor to ensure proper placement.

Length: Three trimesters/two semesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course explores a variety of styles and genres through the rehearsal and performance of symphonic band literature. Students gain an appreciation of music as an art form and develop the skills necessary to pursue a variety of careers in professional music. This course includes music theory and performance as well as the study of historical and contemporary music with a focus on music careers..

## **SMYPHONIC BAND II**

**[Visual/Performing Arts]**

Course Code: 221710, 221720

**[Career and Technical Education]**

Grade Level: 10, 11, 12

Prerequisite: Symphonic Band I

Length: Three trimesters/two semesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course explores a variety of styles and genres through the rehearsal and performance of challenging symphonic band literature, and is considered the intermediate level of our CTE Pathway. Students gain an appreciation of music as an art form and develop the skills necessary to pursue a variety of careers in professional music. This course includes music theory and performance as well as the study of historical and contemporary music with a focus on music careers.

## **JAZZ/STAGE BAND P**

**[Visual/Performing Arts]**

Course Code: 221410, 221420

Grade Level: 9, 10, 11, 12

Prerequisite: Audition, consent of teacher, and concurrent enrollment in Band 9-12 P

Length: Three trimesters/two semesters, repeatable

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course provides musical training in jazz, Latin, blues, rock, and improvisation. Emphasis is on performing skills.

## **JAZZ BAND H**

**[Visual/Performing Arts]**

Course Code: 221910, 221920, 221930

Grade Level: 9, 10, 11, 12

Prerequisite: Audition, consent of teacher, and concurrent enrollment in Band 9-12 P

Length: Three trimesters/two semesters

College Entrance: Pending approval of UC/CSU (f) Visual and Performing Arts requirement

Description: Honors level Jazz Band approaches the instrumental jazz curriculum as a college preparatory course of study. Standards of individual instrumental technique as performed with a jazz ensemble are at the highest level. Advanced level jazz literature, advanced jazz theory, jazz history, and cultural relationships are the foundations of this course. Performances and any rehearsals, festivals, and workshops during after school hours are required

**WIND ENSEMBLE H**

*Course Code:* 222010, 222020

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Audition Required

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (f) Visual and Performing Arts requirement

*Description:* Wind Ensemble Honors is a select a group of advanced instrumental musicians who have auditioned and been selected to participate in this ensemble. Special emphasis is placed on solo and chamber performances as well as regular Symphonic rehearsal and performance, where students will take a leadership role. Students accepted into this ensemble will be expected to expand their mastery of music theory, music history and analysis, and write a research paper. These students will also be expected to take private lessons on their instrument, either with a local private instructor or in the group lesson setting at the school site.

[Visual/Performing Arts]  
[Career and Technical Education]

**CONCERT CHOIR I**

*Course Code:* 223610, 223620

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Audition/teacher recommendation

*Length:* Three trimesters/two semesters

*College Entrance:* Meets one year of UC/CSU (f) Visual and Performing Arts requirement

*Description:* Concert Choir I is an intermediate through advanced choral music class. Students must be able to match pitch accurately, and sing with sensitivity and skill. This ensemble will give some outside performances for the general public, perform in school assemblies, and also participate in selected festivals for adjudication. As in all choral-performing classes, the emphasis in Concert Choir I is ongoing musical development including choral tone, and a multitude of various choral characteristics.

[Visual/Performing Arts]  
[Career and Technical Education]

**CONCERT CHOIR II**

*Course Code:* 223710, 223720

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Audition/teacher recommendation

*Length:* Three trimesters/two semesters

*College Entrance:* Pending approval of UC/CSU (f) Visual and Performing Arts requirement

*Description:* Concert Choir II provides intermediate through advanced instruction in choral music. This ensemble will give some outside performances for the general public, perform in school assemblies, and also participate in selected festivals for adjudication. Students will develop a knowledge of industry terms, career paths, and skills required for success in instrumental music careers. Emphasis will be placed on participation in performances, rehearsal, directing peers through student leadership roles, performance evaluation, and audition preparation.

[Visual/Performing Arts]  
[Career and Technical Education]

**CHAMBER SINGERS P**

*Course Code:* 223310, 223320

*Grade Level:* 10, 11, 12

*Prerequisite:* Treble Choir P or Bass Choir P and audition and consent of teacher

*Length:* Three trimesters/two semesters, repeatable

*College Entrance:* Meets one year of UC/CSU (f) Visual and Performing Arts requirement

*Description:* Chamber Singers P strives to develop singing skills as student's study and perform standard high school and college choral literature. There are many outside performances. As in all choral-performing classes, the emphasis in Chamber Singers P is on ongoing musical development. Students in this ensemble, as a general rule, have had a good deal of singing experience, so the focus is on further developing singing technique, performance practices, and form and style as it relates to a varied repertoire, representing all facets of musical history.

[Visual/Performing Arts]

**MUSIC APPRECIATION P****[Visual/Performing Arts]***Course Code:* 223500*Grade Level:* 9, 10, 11, 12*Prerequisite:* None*Length:* One trimester/semester*College Entrance:* Meets 1 semester of UC/CSU (f) Visual and Performing Arts requirement

*Description:* What is music? This is the question that we will attempt to answer through examining and analyzing, discussing, listening, and experiencing music. We will explore music from the viewpoints of music as identity, music as innovation, and seeing how the sounds and music around us has shaped our world throughout centuries. Students will examine works by famous composers throughout history in all genres and will be able to listen and understand the context by which music is created and enjoyed by listeners young and old. Genres of music that will be studied will include classical, jazz, contemporary, minimalist, film music, as well as the study of music theory including melody, harmony, rhythm and notation. By the end of this course, students will be able to listen critically to music and be able to analyze it more deeply and with greater appreciation.

**Music and Audio Engineering****[Visual/Performing Arts]****[Career and Technical Education]***Course Code:* 223600*Grade Level:* 10, 11, 12*Prerequisite:* Recommended Concert Choir or Music Appreciation*Length:* One semester*College Entrance:* Meets one semester of UC/CSU (f) Visual and Performing Arts requirement

*Description:* Music and Audio Engineering is an introduction to sound recording and sound reproduction in studio applications. Students will learn about studio procedures, equipment and acoustics, as well as ways to evaluate and identify proper microphone technique. Students will also learn the basic operation of digital recording equipment and mixing consoles through an introduction to the AVID ProTools HD System. This course prepares students for careers in music, ranging from performer to producer and composer to recording engineer.

# PHYSICAL EDUCATION DEPARTMENT

## PHYSICAL EDUCATION – COURSE 1

[Physical Education]

*Course Code:* 240110, 240120

*Grade Level:* 9

*Prerequisite:* None

*Length:* Two trimesters/semesters

*Description:* The primary content of this course will include instruction in the following: rhythms and dance, aquatics, combatives, recreational games, and individual and dual activities. Students will develop a personal physical fitness plan.

## PHYSICAL EDUCATION – COURSE 2

[Physical Education]

*Course Code:* 241110, 241120

*Grade Level:* 10, 11, 12

*Prerequisite:* Physical Education – Course 1

*Length:* Two trimesters/semesters, repeatable

*Description:* The primary content of this course will include instruction in the following: team activities, physical fitness, combatives, and gymnastics/tumbling. Students will develop a personal physical fitness plan.

## ELECTIVES IN PHYSICAL EDUCATION THESE COURSES WILL NOT TAKE THE PLACE OF THE REQUIRED PHYSICAL EDUCATION COURSES.

### WEIGHT TRAINING

*Course Code:* 260670, 260680

*Grade Level:* 10, 11, 12

*Prerequisite:* None

*Length:* One trimester/semester, repeatable with teacher approval

*Description:* This course is designed to provide physical fitness education with an emphasis on conditioning through weight-bearing exercise, and improvement of overall fitness through specialized equipment and techniques.

### YOGA/CYCLING

*Course Code:* 241200

*Grade Level:* 10, 11, 12

*Prerequisite:* None

*Length:* One trimester/semester, repeatable

*Description:* This is a science-based exploration of the body, mind, and self through the exercise system of yoga and cycling. These activities will help the student build fitness, health, and personal responsibility. Yoga and cycling serve to help students be physically fit, learning-ready, self-aware, and self-confident. This course aligns with the National and State Standards for Physical Education, six National Standards of Excellence, and eight National Health Standards

### INTRODUCTION TO SPORTS MEDICINE

See complete *Description* under "Non-Departmental" courses.

# PHYSICAL EDUCATION - ATHLETICS

**THESE COURSES MAY BE TAKEN FOR ELECTIVE P.E. CREDIT ONLY. THEY CAN NOT BE TAKEN TO MEET THE PHYSICAL EDUCATION GRADUATION REQUIREMENT.**

## **PHYSICAL EDUCATION - ATHLETICS - BASEBALL**

*Course Code:* 250100

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic baseball. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for baseball.

## **PHYSICAL EDUCATION - ATHLETICS - BASKETBALL**

*Course Code:* 250200M, 250300F

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic basketball. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for basketball.

## **PHYSICAL EDUCATION - ATHLETICS - CROSS COUNTRY**

*Course Code:* 250400

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to compete in interscholastic cross country. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, individual training, and race techniques.

## **PHYSICAL EDUCATION - ATHLETICS - FOOTBALL**

*Course Code:* 250500

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic football. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for football.

### **PHYSICAL EDUCATION - ATHLETICS - GOLF**

*Course Code:* 250600M, 250700F

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic golf. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for golf.

### **PHYSICAL EDUCATION - ATHLETICS - SOCCER**

*Course Code:* 250800M, 250900F

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic soccer. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for soccer.

### **PHYSICAL EDUCATION - ATHLETICS - SOFTBALL**

*Course Code:* 251000

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic softball. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for softball.

### **PHYSICAL EDUCATION - ATHLETICS - SWIMMING AND DIVING**

*Course Code:* 251100

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic swimming and diving. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for swimming and diving.

### **PHYSICAL EDUCATION - ATHLETICS - TENNIS**

*Course Code:* 251200M, 251300F

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic tennis. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for tennis.

## **PHYSICAL EDUCATION - ATHLETICS - TRACK AND FIELD**

*Course Code:* 251400

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic track and field. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for track and field.

## **PHYSICAL EDUCATION - ATHLETICS - VOLLEYBALL**

*Course Code:* 251500M, 251600F

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic volleyball. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for volleyball.

## **PHYSICAL EDUCATION - ATHLETICS - WATERPOLO**

*Course Code:* 251700M, 251800F

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic water polo. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for water polo.

## **PHYSICAL EDUCATION - ATHLETICS - WRESTLING**

*Course Code:* 252400

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* Approval of coach

*Length:* One trimester/semester, repeatable with consent of teacher

*Description:* This course is for athletes who have made a commitment to play interscholastic wrestling. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for wrestling.

# SCIENCE DEPARTMENT

## **AGRICULTURAL BIOLOGY P**

*Course Code:* 101310, 101320

*Grade Level:* 9, 10, 11, 12

*Prerequisite:* None

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* This course emphasizes biological processes from cells to organisms to ecosystems. Students will be actively engaged in laboratory investigations, concept activities and projects. A major part of the course involves learning the scientific method through research and experimental technique. A research paper and long-term experiment may be required. These topics will be taught from an agricultural perspective using livestock species, soil science, fertilizers, crops, and natural resources. Through these investigations, students will be able to relate scientific principles to themselves and to the world around them. Instruction is also given in leadership, citizenship, and project programs through department activities.

[Life Science]

[Career and Technical Education]

## **BIOLOGY P**

*Course Code:* 291310, 291320

*Grade Level:* 9,10, 11, 12

*Prerequisite:* None

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* This course emphasizes biological processes from cells to organisms to ecosystems. Students will be actively engaged in laboratory investigations, concept activities and projects. A major part of the course involves learning the scientific method through research and experimental technique. A research paper and long-term experiment may be required.

[Life Science]

## **CHEMISTRY P**

*Course Code:* 292110, 292120

*Grade Level:* 10, 11, 12

*Prerequisite:* Biology P or Agricultural Biology P or recommendation from previous science teacher

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* This course is a quantitative and qualitative description of matter, energy, and how chemical processes help drive the Earth system. Topics include atomic structure, chemical reactions, combustion, energy and heat in the Earth system, chemistry of climate change, and the dynamics of chemical reactions in ocean acidification. Students are expected to apply critical thinking skills to complex problems. Lab work is required.

[Physical Science]

## **CHEMISTRY AND AGRISCIENCE P**

*Course Code:* 100210, 100220

*Grade Level:* 10, 11, 12

*Prerequisite:* Agricultural Biology P or Biology P

*Length:* Two trimesters/semesters

*College:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. This course integrates biological science practices and knowledge into the practice of sustainable agriculture.

[Physical Science]

[Career and Technical Education]



**APPLIED CHEMISTRY**

Course Code: 292610, 292620

Grade Level: 11

Prerequisite: Biology P or Biology H

Length: Two trimesters / semesters

College Entrance: Pending approval of UC/CSU (d) Laboratory Science requirement

Description: This course allows students to investigate and apply chemistry concepts and methods to understand and address issues related to five essential human needs: water, food, health, waste management, and energy. Chemistry and Biotechnology complement each other in addressing these essential needs. Students will study the methods necessary to test, clean, and protect our water resources, understand the molecular components and energy in their food, research genetically modified foods and their role in relation to health issues, environmental issues and farmer and consumer rights, investigate a human disease, evaluate common food and environmental substances that cause disease, analyze local flora for a potential drug develop to cure diseases, develop solutions to waste management problems, and produce a usable fuel from a waste product produced by human activity.

**[Physical Science]****[Career and Technical Education]****2017-2018****ANATOMY AND PHYSIOLOGY P**

Course Code: 294110, 294120

Grade Level: 11, 12

Prerequisite: Biology P and/or Agricultural Biology P

Length: Two trimesters/semesters

College Entrance: Meets one year of UC/CSU (d) Laboratory Science requirement

Description: This course focuses on the study of the structure and function of the human body from cells and tissues through complete systems. A significant portion of the course is devoted to laboratory work ranging from microscopic work with cells through dissection and examination of animal systems.

**[Life Science]****[Career and Technical Education]****ANIMAL ANATOMY/ PHYSIOLOGY AND VETERINARY MEDICINE P**

Course Code: 281610, 281620

Grade Level: 11, 12

Length of Course: Two trimesters/semesters

Prerequisite: Biology P or Agricultural Biology P AND either Animal Science or Small Animal Science/Pre-Veterinary

College Entrance: Meets one year of UC/CSU (d) Laboratory Science requirement

Description: This course is concerned with the study of the structure, function, and veterinary care of the animal body. Emphasis is placed on homeostatic mechanisms, the role of chemistry, levels of organization, cytology, histology, organ systems, diseases, dysfunction, veterinary tools, common veterinary surgical procedures, and veterinary diagnosis and treatment of disease. Biological applications will include studies in cells, genetics, evolution, and ecology as they pertain to the animal/veterinary field. It is a laboratory class designed for those students interested in animal health careers.

**[Life Science]****[Career and Technical Education]**

**AP CHEMISTRY****[Physical Science]***Course Code:* 292310, 292320*Grade Level:* 11,12*Prerequisite:* Biology P or Agricultural Biology P and Chemistry P or Chemistry and Agriscience P*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* This course is a quantitative and qualitative description of matter and energy and the transformations between them. Topics include the structure of matter, electron configurations, bonding, nuclear chemistry, states of matter, solutions, reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. The course cannot cover all aspects of chemistry that are on the Advanced Placement (AP) test. Independent work by the student will be necessary to gain a top score on the AP test. Successful completion of the course should adequately prepare you to pass the Chemistry AP test in May, and prepare you for a second year college course.

**BIOTECHNOLOGY P****[Life Science]****[Career and Technical Education]***Course Code:* 292410, 292420*Grade Level:* 11, 12*Prerequisite:* "C" or better in Applied Chemistry*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* This course will provide an overview of the current theory and practice of biotechnology. Topics will include the scope of biotechnology, laboratory skill development, microbiology, cell culture, DNA structure and analysis, bacterial transformation, plasmid purification, polymerase chain reaction, gene cloning, CRISPR/Cas9, recombinant expression, and immunological applications of biotechnology. The course will be taught primarily via laboratory activities. This is the capstone course for the CTE Biotechnology pathway.

**BIOTECHNOLOGY H****[Life Science]****[Career and Technical Education]***Course Code:* 292510, 292520*Grade Level:* 11, 12*Prerequisite:* "C" or better in Applied Chemistry*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* This course will provide an overview of the current theory and practice of biotechnology. Topics will include the scope of biotechnology, laboratory skill development, microbiology, cell culture, DNA structure and analysis, bacterial transformation, plasmid purification, polymerase chain reaction, gene cloning, CRISPR/Cas9, recombinant expression, and immunological applications of biotechnology. The course will be taught primarily via laboratory activities. Honors students will be required to apply their learning to novel situations in assessments and laboratory practicals. This is the capstone course for the CTE Biotechnology pathway at MBHS.

**AP PHYSICS 1****[Physical Science]***Course Code:* 293310, 293320*Grade Level:* 11, 12*Length of Course:* Two trimesters/semesters*Prerequisite:* Pre-Calculus, prior or concurrent enrollment in Calculus or written approval by instructor*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* AP Physics 1 is a non-Calculus-based physics course that investigates kinematics, forces, mechanical energy, rotational motion, gravitation, and oscillatory motion. Students will primarily focus on learning the AP Physics 1 objectives. However, additional non-AP topics (at less depth) will also be included: electricity and magnetism, optics, and special STEM projects

## ELECTIVES IN SCIENCE

### ENVIRONMENTAL SCIENCE P

*Course Code:* 296110, 296120

*Grade Level:* 11, 12

*Prerequisite:* Biology P or Agricultural Biology P with a "C" or better

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement

*Description:* This course provides an objective overview of physical and biological processes affecting the environment and an exploration of current environmental issues. Topics will include earth system cycles, population and community ecology, energy, and resource management. Case studies will be used to connect the curriculum to industry, transportation, development, energy consumption, and politics.

## SOCIAL SCIENCE DEPARTMENT

### WORLD HISTORY, CULTURE AND GEOGRAPHY: THE MODERN WORLD P [World History]

*Course Code:* 321110, 321120

*Grade Level:* 10

*Prerequisite:* None

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (a) History/Social Science requirement

*Description:* This course is designed to examine major turning points in the shaping of the modern world from the Enlightenment to Post World War II. Focus is made on democratic ideals, revolutions and the world wars as they shaped and fostered growing interdependence of peoples and cultures throughout the world.

### AP EUROPEAN HISTORY

[World History]

*Course Code:* 321310, 321320

*Grade Level:* 10

*Prerequisite:* Teacher recommendation

*Length:* Two semesters

*College Entrance:* Meets one year of UC/CSU (a) History/Social Science requirement

*Description:* This course is designed to be the equivalent of a two-semester introductory college or university European History course. Students will investigate significant events, individuals, developments and processes in four historical periods from approximately 1450 to the present. It will develop and use the same skills, practices and methods employed by historians: analyzing historical evidence, contextualization, comparison, etc. Students explore six themes throughout the course that encourages them to make connections among historical developments in different times and places. At the end of the course, students are strongly encouraged to take the AP Exam; this may result in the earning of college credits.

**U.S. HISTORY AND GEOGRAPHY P****[U.S. History]***Course Code:* 322110, 322120*Grade Level:* 11*Prerequisite:* None*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (a) History/Social Science requirement

*Description:* This course is designed with a selective review of American history from the Founding of the Nation to 9/11. First semester studies the larger themes of US Founding; Civil War and Reconstruction; Immigration, Industrialization and Progressivism; US Imperialism; the 1920's and the Great Depression. Second semester studies the larger themes of WWII; Cold War; Civil Rights Movement; Vietnam and Counterculture Movement; Modern Day Issues. Students focus on the social, political, and economic effects of these issues as well the effects on disadvantaged social groups.

**AP U.S. HISTORY****[U.S. History]***Course Code:* 322310, 322320*Grade Level:* 11*Prerequisite:* Teacher recommendation*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (a) History/Social Science requirement

*Description:* This course is designed to be the equivalent of a two-semester introductory college or university U.S. History course. Students will investigate significant events, individuals, developments and processes in nine historical periods from approximately 1491 to the present. It will develop and use the same skills, practices and methods employed by historians: analyzing primary and secondary sources, making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time, etc. Students will explore seven themes throughout the course that encourages them to make connections among historical developments in different times and places. At the end of the course, students are strongly encouraged to take the AP Exam; this may result in the earning of college credits.

**AMERICAN GOVERNMENT P****[American Government]***Course Code:* 323100*Grade Level:* 12*Prerequisite:* None*Length:* One trimester/semester*College Entrance:* Meets one semester of UC/CSU (a) History/Social Science requirement

*Description:* This course is designed to explore the origins, development, structure, and functions of the U.S. Federal Government. Topics include the constitutional framework; federalism; the three branches of government, including the bureaucracy; civil rights and liberties; political participation and behavior; and policy formation. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system. Basic concepts of state and local government and their relationships with the federal government are also examined.

**AP GOVERNMENT AND POLITICS: UNITED STATES****[American Government]***Course Code:* 323200*Grade Level:* 12*Prerequisite:* Teacher recommendation*Length:* One trimester/semester*College Entrance* Meets one semester of UC/CSU (a) History/Social Science requirement

*Description:* AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project. At the end of the course, students are strongly encouraged to take the AP Exam; this may result in the earning of college credits.

**ECONOMICS P****[Economics]***Course Code:* 323300*Grade Level:* 12*Prerequisite:* None*Length:* One trimester/semester*College Entrance:* Meets one semester of UC/CSU (g) Elective requirement

*Description:* Economics is the study of how people choose to use resources. Using that as a starting point, students will explore the operations and institutions of economic systems, as well as studying basic economic concepts, government involvement through taxes, individual and corporate economic behavior, global economic concepts, and personal finance.

**AP MACROECONOMICS****[Economics]***Course Code:* 323500*Grade Level:* 12*Prerequisite:* None*Length:* One trimester/semester*College Entrance:* Meets one semester of UC/CSU (g) Elective requirement

*Description:* AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. At the end of the course, students are strongly encouraged to take the AP Exam; this may result in the earning of college credits.

## **ELECTIVES IN SOCIAL SCIENCE**

**THESE COURSES WILL NOT TAKE THE PLACE  
OF THE REQUIRED SOCIAL SCIENCE COURSES.**

### **INTRODUCTION TO ETHNIC STUDIES P**

*Course Code:* 153300

*Grade Level:* 10, 11, 12

*Prerequisite:* None

*Length:* One trimester/semester

*College Entrance:* Meets one year of UC/CSU (g) Elective requirement

*Description:* This course is designed to cultivate respect and empathy for individuals and solidarity with groups of people locally, nationally, and globally so as to foster active social engagement and community building. Students will learn about social constructs that have influenced the development, transformation, and perception of Latino, African-American, and Multiethnic identities. Students will examine the languages, family structures, spiritual traditions, economic and social issues, and values of diverse groups within the United States. Emphasis will be on Latinos and African-Americans, but other groups are also discussed. Additionally, the course develops academic skills in collaborative discussion, reading, analysis, and writing. This course aims to inspire students to critically engage in self-determination and to seek social justice for all.

### **PSYCHOLOGY P**

*Course Code:* 331100

*Grade Level:* 10, 11, 12

*Prerequisite:* None

*Length:* One trimester/semester

*College Entrance:* Meets one semester of UC/CSU (g) Elective requirement

*Description:* Psychology is the scientific study of the way the human mind works and how it influences behavior. This one semester course acts as an introduction to the field of psychology, and will include the study of topics such as: identity and personality, human development, learning, motivation, emotions, altered states of consciousness. Students will have the opportunities to explore scientific perspectives on human behavior and learn about various careers associated with this field of study.

### **SOCIOLOGY P**

*Course Code:* 331200

*Grade Level:* 10, 11, 12

*Prerequisite:* None

*Length:* One trimester/semester

*College Entrance:* Meets one semester of UC/CSU (g) Elective requirement

*Description:* Sociology is essentially the study of human behavior and social structures. In this one semester course, we will examine social phenomenon from an academic perspective looking for patterns of social interaction and how those interactions influence human behavior. Topics include, but are not limited to, race and ethnicity, religion, family, deviance and crime, and culture. Through a variety of methods, students will explore different sociological ideas from an educative perspective in order to develop their own social perspectives and critical thinking skills.

# SPECIAL EDUCATION DEPARTMENT

## SPECIAL EDUCATION - INTERVENTION, MODIFIED, ALTERNATIVE

**Intervention:** General Education content offered in this course that is taught by a Special Educator with some modification to the General Education curriculum

**Modified:** General Education course content offered in this course that is taught by a Special Educator with significant modification to the General Education curriculum

**Alternative:** Alternative curriculum taught by a Special Educator

*Course Code:* Various/selected by counselor

*Grade Level:* 9, 10, 11, 12

*Description:* We offer a wide variety of courses at different levels of intensity (**Intervention**, **Modified** and **Alternative**) to address specific student IEP goals as well as to support high school graduation requirements and college and career readiness. **Please take note that core Special Education courses including English, math, social science, or science do not meet the UC/CSU “a-g” eligibility for a 4-year college bound student, but do meet eligibility for entrance into a community college in California.** All students with an IEP are assigned a Special Education IEP Manager who works closely with the IEP team and school counselor to develop an appropriate student class schedule.

## NON-DEPARTMENTAL REQUIRED COURSE

### HEALTH AND FAMILY LIVING

[Health]

*Course Code:* 230000

[Career and Technical Education]

*Grade Level:* 9

*Prerequisite:* None

*Length:* One trimester/semester

*Description:* This is an activity-based course aligned with the California State Framework. The student will learn how to make healthy personal choices related to the six components of overall health and wellness. The class will include injury prevention and first aid, human body systems and their functions, abstinence and building responsible relationships, pregnancy prevention, sexually transmitted infections, alcohol and drug education, and consumer and community health.

## NON-DEPARTMENTAL ELECTIVE COURSES

### ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) I

*Course Code:* 236110, 236120

*Grade Level:* 9

*Prerequisite:* Between 2.0 and 3.25 GPA; average or above standardized test scores, especially in math; enrollment in Algebra or higher; student interview; high student motivation; positive attitude, parent contract, first in family to attend college

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (g) elective requirement

*Description:* This course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of student meeting the “a-g requirements” of UC/CSU, students will learn strategies to enhance their academic success. To ensure success in rigorous college-prep course work, students will work individually, as well as in tutor-led collaborative groups. Note taking, outlining, writing, speaking, reading, test-taking strategies, collaborative work, and self-awareness are stressed. In addition, the course includes college motivational activities such as college field trips, guest speakers from the professional world, etc. The AVID curriculum focuses on writing, inquiry, collaboration, and reading strategies (WICR).

## **ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) II**

*Course Code:* 236210, 236220

*Grade Level:* 10

*Prerequisite:* Between 2.0 and 3.0 GPA; average or above standardized test scores, especially in math; enrollment in Algebra or higher; student interview; high student motivation; positive attitude, parent contract, first in family to attend college. Enrollment in AVID during the 9<sup>th</sup> grade year.

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (g) elective requirement

*Description:* This course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. Note taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities.

## **ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) III**

*Course Code:* 236310, 236320

*Grade Level:* 11

*Prerequisite:* Between 2.0 and 3.0 GPA; average or above standardized test scores, especially in math; enrollment in Algebra or higher; student interview; high student motivation; positive attitude, parent contract, first in family to attend college. Enrollment in AVID during the 10<sup>th</sup> grade year.

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (g) elective requirement

*Description:* This course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. Note taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities.

## **ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) IV**

*Course Code:* 236410, 236420

*Grade Level:* 12

*Prerequisite:* Previous enrollment in AVID lower-level courses for three years

*Length:* Two trimesters/semesters

*College Entrance:* Meets one year of UC/CSU (g) elective requirement

*Description:* This course is the culmination of a student's years in the AVID program. The course involves substantial critical reading and writing, preparation for external exams such as Advanced Placement and International Baccalaureate, and weekly Socratic seminars. Students enrolled in this course are required to complete weekly time writings and analytical discourses in subjects across the curriculum. In addition, students are required to make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns. Senior Seminar students, working with their tutors, are expected to participate in and eventually act as moderators for Socratic seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on texts, supporting arguments with clear reasoning and evidence, and developing their critical thinking skills to the degree necessary for success in college.



**CRIMINAL LAW P**

[Career and Technical Education]

*Course Code:* 331710, 331720*Grade Level:* 10, 11, 12*Prerequisite:* Introduction to Law*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (g) Elective requirement*Description:* In this course students examine how statutes and policies are developed to safeguard society. Includes an analysis of civil rights and liberties and the ways courts and legislators deal with constitutional questions.**INTRODUCTION TO SPORTS MEDICINE**

[Career and Technical Education]

*Course Code:* 289110, 289120*Grade Level:* 10, 11, 12*Recommended Prerequisites:* Completion of freshman level science with a grade of "C" or better; completion or concurrent enrollment in Anatomy and Physiology P*Length:* Two semesters*Description:* This course is designed to provide students with an introduction to athletic training, sports medicine, physical therapy and other health and medicine related careers. Students will learn the methods of prevention, evaluation, treatment and rehabilitation of athletic injuries. Lectures and laboratory activities will provide an overview of musculoskeletal anatomy and physiology. Emphasis will be placed on the prevention of injuries through per conditioning, training, and nutrition. A major focus of the course will be the recognition of athletic injuries that occur and the ability to properly evaluate these injuries. Students will also learn the per treatment and rehabilitation of injuries, including emergency procedures and basic first aid. Preventative taping and wrapping techniques will also be included. Students will have the opportunity to assist the athletic trainer and other allied health care professionals at a variety of health care settings to gain a "hands on" application of topics covered in the course.**A-G STUDENT GOVERNMENT AND LEADERSHIP P**

[Career and Technical Education]

*Course Code:* 231110, 231120*Grade Level:* 9, 10, 11, 12*Prerequisite:* Elected or appointed officers/commissioners as specified in Associated Student Body Constitution and approval of the principal's designee*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (g) Elective requirement*Description:* The class is designed to teach leadership skills and governmental structure which ultimately enhances school pride, spirit and culture as well as the student's individual knowledge of a working government. The class will focus on standards designed by the California Association of Directors of Activities and Common Core State Standards, including public speaking, written communication, service learning, presentation skills, community service, government hierarchy, procedures and elections, personal and social development, goal setting, group dynamics, business marketing, finance accounting, advertising, business law and research, while positively impacting the entire student body.

## **WORK EXPERIENCE EDUCATION**

*Course Code:* 232070, 232080

*Grade Level:* 12

*Prerequisite:* Approval of Work Experience Education Coordinator and counselor. Paid employment of at least 10 hours per week; the majority of those hours during the weekdays, Monday through Friday. Placement is prioritized according to the following: special education, economically disadvantaged, physically handicapped, special needs referred by counselor, and seniors whose course work is supportive of current employment.

*Length:* One trimester/semester, repeatable

*Description:* The primary goal of Work Experience Education (WEE) is employment competency through the expansion and support of the high school curriculum. Through related classroom instruction and supervised part-time work experiences, students will learn how to adapt educational skills to general occupational and employability skills. Students will learn how to: retain a job, advance on the job, successfully move on to another job, manage money, and make decisions about future career plans.