

SAN LUIS COASTAL UNIFIED SCHOOL DISTRICT

SAN LUIS OBISPO HIGH SCHOOL MISSION STATEMENT

The mission of San Luis Obispo High School is to engage all students in a challenging and comprehensive educational program that will empower them to succeed with integrity and competence in an ever changing world.

Principal	Leslie O'Connor
Assistant Principal	Julie Mamo
Assistant Principal	Nick Frost
Assistant Principal	Aaron Black
Counselors	Shelley Benson Kerry Ingles Heather Senecal
Career Technician	Colleen Martin

Welcome to San Luis Obispo High School, home of the Tigers. Upon entering high school each student is assigned a counselor. Your counselor will assist with all aspects of educational, vocational and personal planning. To see your counselor, visit the Counseling Office and sign up for an appointment. You will be called in as soon as possible. Educational and vocational materials are available to students through the Counseling Office and Career Center.

San Luis Obispo High School is on a trimester schedule. In this system, the school year is divided into three 13-week trimesters. Students take 5 classes a day, and each class lasts 70 minutes. Because of the length of classes and amount of material covered, one trimester course is the equivalent of a one semester course. Traditional year-long classes are covered in two trimesters, with some exceptions.

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).
- Courses that meet subject requirements are coded: Technology Literacy (TL); Visual and Performing Arts [VPA]. Refer to page B, (Course Requirements).
- 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**.
- Courses followed by TP have been articulated with Cuesta College. See page C.

GRADUATION REQUIREMENTS

There are two basic requirements for graduation from the San Luis Coastal Unified School District.

1. Credits:

The School Board has established a credit requirement of 280 credits.

Credits are awarded for the successful completion of trimester courses with a grade of "D" or better. Students are enrolled in 5 classes each trimester.

2. Course Requirements:

A. Subject Requirements

Course Requirements	Credits
English	40
Mathematics (must include Algebra I)	30
Physical Education	20
Science (must include 2 trimesters of Integrated Science and 2 trimesters of Life Science)	20
Social Science	30
Foreign language and/or Visual or Performing Arts [VPA] or CTE	10
Health Family Living	5
Technology Literacy [TL]	5

160 credits

B. Elective Requirements - 120 credits

C. Total Credits Required for Graduation - 280 credits

GRADING INFORMATION

Progress Reports are mailed home midway (6 weeks) through each trimester. The final trimester grade, which is placed on the final transcript, is mailed home the week after the trimester ends. Students have two (2) weeks from the last day of a trimester to change an "incomplete" to a letter grade or to challenge a final grade by contacting the teacher.

A student receives credit for each class during a trimester in which a passing grade (A, B, C, D) is earned. No credit is awarded prior to the completion of a trimester. 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. Flexible Scheduling Policy

A. Challenge for Credit: A student may receive credit for a course through an evaluation process certifying that Board-approved course objectives have been met. The challenge must occur within the first two weeks of the trimester. A student needs to meet the course objectives at an 85% mastery level. The normal circumstance where credit would be awarded is through the student passing a course final examination at this level. Credit will be given for challenged courses, but no grade mark, and credited units will not be calculated in a student's GPA. See a counselor for Challenge Credit Request form.

B. Substitute: A student may replace a course with an alternative course offered through an accredited institution if the concurrently enrolled course meets 80% of the Board-approved course objectives. Credit will be awarded, but the grade will not be computed in the high school GPA or rank in class. An agreement with the counselor, assistant principal, student, and parent must be in place prior to any substitutions. **No credit will be awarded for courses taken without prior administrative approval.** See counselor for details.

3. Foreign Exchange

Students interested in studying abroad are encouraged to work with recognized foreign exchange organizations to insure quality placement in other countries. Go to the District website at slcusd.org to see a list of recognized organizations. SLOHS students have been to all parts of the world as part of their high school experience. We have a long-standing relationship with a "sister" school in Stuttgart, Germany with whom we exchange students each year. All graduation requirements must be met for a student to receive a diploma from the school district. The counselor, parents, and student will agree upon and sign a foreign exchange contract, which indicates the courses required for graduation.

POST HIGH SCHOOL OPPORTUNITIES

COMMUNITY COLLEGE

Cuesta College offers educational opportunities in two general areas:

1. Career Education - Curriculum offerings designed to train or retrain students for employment.
2. College Prerequisite Course - Allows students to complete general education requirements for four-year college entrance. Completion of 56 to 60 transferable units at Cuesta will count as the first two years of a four-year college degree.

ADMISSION

Admission is granted to any high school graduate. Individuals 18 years of age and older who are **NOT** high school graduates are also eligible but at the discretion of the college. Discretion in the latter case is usually based on whether the individual's high school class has graduated.

ARTICULATION AGREEMENTS

The courses listed below were approved for Cuesta College articulated credit. Completing these courses at San Luis Obispo High School can enable a student to be eligible to receive Cuesta College credit. This minimizes needless duplication by allowing students to receive college credit for high school course work. The process to receive Cuesta College articulated credit is completed while enrolled in each designated high school class.

Home Economics Careers and Technology Department
Careers with Children

Industrial Technology Department
Automotive Engine Diagnosis
Engineering, Draw and Design III

UNIVERSITY OF CALIFORNIA AND CALIFORNIA STATE UNIVERSITY

The pattern of academic courses required for freshmen eligibility, is the same for the University of California and California State University. To find our a-g list of approved courses go to www.ucop.edu/agguide.

UC and CSU “a-g” SUBJECT REQUIREMENTS

	<u>CSU/UC Required</u>	<u>UC Recommended</u>
a. History/Social Science	<i>2 years</i>	
b. English	<i>4 years</i>	
c. Mathematics	<i>3 years</i>	<i>4 years</i>
Three years, including elementary algebra, geometry, and second year (advanced) algebra. Math courses taken in grades 7 and 8 may used to fulfill part of this requirement.		
d. Laboratory Science	<i>2 years</i>	<i>3 years</i>
e. Foreign Language	<i>2 years</i>	<i>3 years</i>
f. Visual and Performing Arts	<i>1 year</i>	

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

- g. College Preparatory 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 (a third year in the language used for the "e" requirement or two years of another language).

Students must take 15 units of high school courses completed with a “C” or better to fulfill the UC Subject Requirements. **The UC’s require that 11 of the 15 units be completed by the end of the junior year. A unit is equal to an academic year or two trimesters of study.** To be acceptable to the University, the courses must appear on the “a-g” list of courses certified by the high school principal as meeting the University’s minimum admissions requirements.

While the CSU and UC have fully aligned their basic subject requirements for admission, they differ in the area of laboratory science.

Laboratory Science

A student seeking admission to CSU as a first-time freshman is required to satisfactorily complete two laboratory science college preparatory courses. CSU require that the two years of lab science include at least one biological science and at least one physical science from the UC list of approved lab science courses. One science course must be selected from area “d” (laboratory science), and the second course must be selected from area “d” or area “g” (college preparatory electives).

This practice is different from UC, which requires that a student complete two of the following three courses: biology, chemistry and physics. All the courses taken must be from the UC list of approved lab science subject area “d” and must be taken in grades 10, 11, or 12.

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

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 10th and 11th grades of high school.

Honors Points

The UC and the CSU will award honors points in calculating the GPA for up to eight trimesters of UC-approved honors-level courses and AP courses taken in 11th and 12th grades, including up to two UC-approved honors courses and AP courses completed in the 10th grade. The San Luis Obispo High School honors/AP courses listed below receive the extra grade point as follows (A=5, B=4, C=3).

AP Art History	AP Latin
AP Calculus AB	AP Spanish
AP Calculus BC	AP Statistics
AP Chemistry	AP European History
AP Computer Science	AP US History
AP Comp Sci Principals	AP Human Geography
AP Physics 1	AP Govt & Politics
AP English Language & Composition	AP Macroeconomics
AP English Literature & Composition	AP Microeconomics
	Honors Pre-Calculus

SAN LUIS COASTAL UNIFIED SCHOOL DISTRICT
2016-17
SAN LUIS OBISPO 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.

CODES

P	College Prep
H	Honors
AP	Advanced Placement

AGRICULTURE DEPARTMENT

AGRICULTURAL INTEGRATED SCIENCE P

Course Code: 100510, 100520

Grade Level: 9, 10, 11

Prerequisite: None

Length: Two trimesters/semesters

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

Description: This is a foundational 9th grade course that students will take in their first year of high school science. Through mainly hands-on inquiry, experimentation and engineering practices, students will be immersed in the topic areas of Physics, Chemistry, Earth-Space Science and Agriculture. Students will ask scientific questions, create and use models, and design their own investigations. Students will also get experience analyzing and interpreting data, formulating solutions to real-world problems and using evidence to argue their findings. Students will be involved in supervised agricultural education projects as well as participate in FFA activities.

[Physical Science]

[Career and Technical Education]

AGRICULTURAL BIOLOGY P

Course Code: 101310, 101320

Grade Level: 10, 11, 12

Prerequisite: Agricultural Integrated Science P or Agricultural Integrated Science H or Integrated Science P or Integrated Science H

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

[Life Science]

[Career and Technical Education]

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.

AGRICULTURAL BIOLOGY H

[Life Science]

Course Code: 101410, 101420

[Career and Technical Education]

Grade Level: 10, 11, 12

Prerequisite: Agricultural Integrated Science P or Agricultural Integrated Science H or Integrated Science P or Integrated Science H

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. The honors-level course is differentiated through depth, complexity and expectation. Emphasis is placed on advanced research, higher-level thinking skills and academic role modeling. Topics will be taught from an agricultural perspective using livestock species, soil science, fertilizers, crops, and natural resources. Instruction is also given in leadership, citizenship, and project programs through department activities.

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

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 and 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.

AGRICULTURAL MECHANICS I - BASIC MECHANICS [Career and Technical Education]

Course Code: 112110, 112120

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters/semesters

Description: Class and shop instruction is given in basic arc and gas welding, metalwork, tool identification, tool maintenance, and use of hand and power tools. Wood and metal fabrication projects will be required. Students enrolled in Agricultural Mechanics I – Basic Mechanics will find the class more meaningful with an ornamental horticulture or agriculture science background. Students are encouraged to build practical projects and do simple construction-type jobs. Instruction is also given in leadership, citizenship and project programs through department activities.

AGRICULTURAL MECHANICS II - AGRICULTURAL CONSTRUCTION

Course Code: 112210, 112220

[Career and Technical Education]

Grade Level: 9, 10, 11, 12

Prerequisite: Agricultural Mechanics I – Basic Mechanics or consent of teacher

Length: Two trimesters/semesters

Description: Class and shop instruction is given in basic electricity, plumbing, masonry, carpentry, drafting, drawing, and surveying. Special emphasis is placed on agricultural construction projects and career education. Instruction is also given in leadership, citizenship and project programs through department activities.

AGRICULTURAL MECHANICS III - SMALL GAS ENGINE AND EQUIPMENT MAINTENANCE

Course Code: 112310, 112320

[Career and Technical Education]

Grade Level: 10, 11, 12

Prerequisite: Agricultural Mechanics II or consent of teacher

Length: Two trimesters/semesters

Description: Class and shop instruction is given in repair, maintenance, trouble-shooting, identification and uses of small engines. Basic instruction is also provided in diesel and hydraulic systems. Fabrication of agriculturally related projects along with equipment maintenance is included. Instruction is also given in leadership, citizenship and project programs through department activities.

AGRICULTURAL MECHANICS IV - PROJECT DESIGN, FABRICATION, CONSTRUCTION, AND REPAIR

[Career and Technical Education]

Course Code: 112410, 112420

Grade Level: 10, 11, 12

Prerequisite: Agricultural Mechanics III or consent of teacher

Length: Two trimesters/semesters

Description: Class and shop instruction is given in design, laboratory practices, and reading blueprints and plans. Students work independently on special projects dealing with design, fabrication, construction, and repair. Instruction is also given in leadership, citizenship and project programs through department activities.

ORNAMENTAL HORTICULTURE I - OH I

[Career and Technical Education]

Course Code: 115110, 115120

Grade Level: 9, 10, 11, 12 (Priority given to 9th and 10th grade students)

Prerequisite: None

Length: Two trimesters/semesters

Description: Class and laboratory instruction is given in basic home gardening, plant propagation, pest control, pruning, and fertilization. Special emphasis is placed on plant identification and landscaping. Instruction is also given in leadership, citizenship, career education, and project programs through department activities.

ORNAMENTAL HORTICULTURE - NURSERY MANAGEMENT - OH II

Course Code: 115210, 115220

[Career and Technical Education]

Grade Level: 9, 10, 11, 12

Prerequisite: Ornamental Horticulture I or consent of teacher

Length: Two trimesters/semesters

Description: Advanced class and laboratory instruction is given in the propagation of commercially important plants. Fertilization, diseases and pests are also studied. Nursery management practices become real through the use of the lab facilities. Instruction is also given in leadership, citizenship, career education, and project programs through department activities.

THE ART AND HISTORY OF FLORAL DESIGN I P

[Visual/Performing Arts]

Course Code: 281310, 281320

[Career and Technical Education]

Grade Level: 9, 10, 11, 12

Recommended Prerequisite: None

Length: Two trimesters/semesters

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

Description: The Art and History of Floral Design provides an introduction to artistic and creative perception including aesthetic valuing through a series of projects in various media including tempera, pencil, flowers, tile, and a variety of papers. Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design. Students will research and study floral trends to understand and develop an appreciation for floral design within historical and cultural, formal and casual, ceremonial and traditional, including an understanding that floral designs are affected by society, culture, history, politics, and economic influence. Various assignments based on abstract two and three dimensional designs, historical culture and theory, color theory, and analytical critiques of various floral art works using design vocabulary in conjunction with development of technical skills in floral art will serve as a foundation for more complex works such as multi-part floral designs and creative expression through wedding consultations.

SMALL ANIMAL SCIENCE/PRE-VETERINARY

[Life Science]

Course Code: 280710, 280720

[Career and Technical Education]

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters/semesters

Description: This course includes job-specific training for care and management of small animals, such as dogs, rabbits, poultry, goats, and fish. The skills include handling, health care, nutrition, anatomy, diseases, surgical procedures, and housing for small animals. Students will work with professionals in the field and prepare for continued training as a veterinary technician or animal science specialist at the university level. Instruction is also given in leadership, citizenship and project programs through department activities.

ANIMAL SCIENCE P**[Life Science]***Course Code:* 281210, 281220**[Career and Technical Education]***Grade Level:* 9, 10, 11, 12*Recommended Prerequisite:* Algebra I P and Biology (P or H) or Agricultural Biology (P or H)*Length:* Two trimesters/semesters*College Entrance:* Meets one year of UC/CSU (g) Elective requirement

Description: This course will provide the student with principles in Animal Science focusing on the areas of mammalian production, anatomy, physiology, reproduction, nutrition, respiration, and genetics. This course is intended to successfully prepare those students who plan on majoring in Agricultural sciences at a college or university. Frequent opportunities are also given to develop and apply rational and creative thinking processes of observing, comparing, organizing, relating, inferring, applying and communicating. Also, there is an emphasis on developing values, aspirations, and attitudes that promote the student's personal involvement with the scientific explorations and discoveries of the future. These hands-on science experiences are designed to enhance the student's understanding of agriculture, the environment, and society.

ANIMAL ANATOMY/ PHYSIOLOGY AND VETERINARY MEDICINE**[Life Science]***Course Code:* 281610, 281620**[Career and Technical Education]***Grade Level:* 11, 12*Length of Course:* Two trimesters/semesters*Prerequisite:* Biology (P or H) or Agricultural Biology (P or H) 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.

ART DEPARTMENT

DESIGN I P

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

Course Code: 120100

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

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

Description: Design I is a beginning Art 1 course where students are introduced to basic design concepts including color theory. 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 design vocabulary in conjunction with the development of skills that will serve as the foundation for more complex works, including a final artist inspired project. Students will learn art techniques that will help develop skills to support creative expressions as they explore the connections and application to visual arts.

DESIGN II P

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

Course Code: 120200

Grade Level: 9, 10, 11, 12

Prerequisite: Design I P, or consent of teacher

Length: One trimester/semester, repeatable

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

Description: This is an intermediate art course that continues the exploration of the elements and principles of design in a series of larger-scale 2-D and 3-D projects in a variety of media. Students will create 5-6 projects such as copper embossed books and culturally inspired masks. Students will participate in a group public art project, creating art to be displayed in a public space. Students will create a final project that demonstrates personal expression.

DRAWING I P

[Visual/Performing Arts]

Course Code: 121300

Grade Level: 9, 10, 11, 12

Prerequisite: None (Design I/II recommended)

Length: One trimester/semester

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 I P is an introductory drawing course. Basic drawing techniques will allow students to create original works of art. Emphasis is on improving skills in observing, analyzing, composing and recording objects and people from life. Students will use a variety of media with emphasis on pencil and developing shading techniques.

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 9 12 P

[Visual/Performing Arts]

Course Code: 122000

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

College Entrance: Completing Ceramics I 9 12 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.

CERAMICS III P

[Visual/Performing Arts]

Course Code: 122300

Grade Level: 10, 11, 12

Prerequisite: Ceramics II P

Length: One trimester/semester, repeatable

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

Description: Ceramics III P is an advanced course in ceramics in which the student will refine ceramic skills and be required to make wheel projects and advanced sculpture projects. Individual development will be stressed. Students who repeat Ceramics III will design an independent course of study with the instructor.

PAINTING I P

[Visual/Performing Arts]

Course Code: 123100

Grade Level: 10, 11, 12

Prerequisite: Design I P and/or Drawing I P or consent of teacher

Length: One trimester/semester

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

Description: This course is designed to introduce the student to a variety of painting media, methods, and materials. Students will study both traditional and experimental painting styles with areas of work in color, value, composition, and art history.

PAINTING II P

[Visual/Performing Arts]

Course Code: 123200

Grade Level: 10, 11, 12

Prerequisite: Painting I P or consent of teacher

Length: One trimester/semester, repeatable

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

Description: Emphasis in this course is on composition, color palette, expression, design, and application to large- and small-scale formats, including public art. Historical art references will be introduced and independent research will be required of the student.

DIGITAL PHOTOGRAPHY P

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.

[Visual/Performing Arts]

[Technology Literacy]

[Career and Technical Education]

AP ART HISTORY

Course Code: 129110, 129120

Grade Level: 11, 12

Prerequisite: None

Length: Two trimesters/semesters

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

Description: This course covers an historical survey of man's achievements in art from pre-historic to contemporary times. Students will become skilled in the visual analysis of works of art, as well as how to understand works of art through both visual and contextual analysis. Appreciation of cultural and creative expression is emphasized, while examining issues such as politics, class, religion, gender, function, and ethnicity.

[Visual/Performing Arts]

ART HISTORY AP SEMINAR

Course Code: 129130

Grade Level: 11, 12

Recommended Prerequisite: AP Art History

Length: One trimester

Description: Art History AP Seminar will follow a similar format to the prior two trimesters of AP Art History, focusing on recognition and analysis of art. The emphasis will be on modernism, post-modernism, and art outside of the European tradition. This course will also focus on review of prior units, test preparation, and enrichment. Before the AP exam is given in May, this class will prepare students through not just a review of the course materials, but through practice of timed essay writing and multiple-choice question strategies. After the AP exam, and the end of the coverage of the course materials, students will have the opportunity to enrich their knowledge of art by viewing firsthand the art they've studied through field trips to galleries and museums such as the J. Paul Getty Museum, and the planning and execution of an art show on campus. Learning what goes into putting on an art exhibition is a great way to experience one of the career paths an art historian can take.

TELEVISION & VIDEO PRODUCTION

This course will be taught at SLOHS

Course Code: 288010, 288020

Grade Level: 11, 12

Prerequisite: None (Electronic Media recommended)

Length: Two trimesters/semesters, repeatable

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]**

BUSINESS/COMPUTER EDUCATION DEPARTMENT

EXPLORING COMPUTER SCIENCE

Course Code: 289410, 289420

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters/semester

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

Description: Exploring Computer Science is a two trimester/semester course consisting of 6 units: Human Computer Interaction, Problem Solving, Web Design, Programming, Computing and Data Analysis, and Robotics. The first three units are taught in part A of the course, the second three are taught in part B. The two parts are independent of each other and may be taken out of order or in different years. The course teaches both computer science content and computational thinking practices. Assignments and instruction are framed to be socially relevant and meaningful for students. Units utilize a variety of tools/platforms, and each unit culminates with a final project.

[Technology Literacy]
[Career and Technical Education]

COMPUTER TECHNICIAN I

Course Code: 141110, 141120

Grade Level: 9, 10, 11, 12

Prerequisites: None

Length: Two trimesters/semesters

Description: The Cisco Networking Academy IT Essentials: PC Hardware and Software curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level ICT professionals. The curriculum covers the fundamentals of PC computer technology, networking, and security, and also provides an introduction to advanced concepts. IT Essentials: PC Hardware and Software is a hands-on, career oriented e-learning solution with an emphasis on practical experience to help students develop fundamental computer skills, along with essential career skills. The Cisco IT Essentials curriculum helps students prepare for entry-level ICT career opportunities and the CompTIA A+ certification, which helps students differentiate themselves in the marketplace to advance their careers.

[Technology Literacy]
[Career and Technical Education]

PROGRAMMING I P

Course Code: 143100

Grade Level: 9, 10, 11, 12

Prerequisite: Must have completed Algebra I with a grade of "C" or better, or consent of instructor.

Length: One trimester/semester

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

Description: This course is designed for students with little or no previous computer programming experience. Students will develop problem-solving techniques by writing and analyzing computer programs.

[Technology Literacy]
[Career and Technical Education]

PROGRAMMING II P

Course Code: 143200

Grade Level: 9, 10, 11, 12

Prerequisite: Completion of Programming I P or consent of instructor

Length: One trimester/semester

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

Description: This course is designed to have students learn more programming skills including additional commands and functions. Special attention will be given to processing data at the

[Technology Literacy]
[Career and Technical Education]

machine level. Students will become knowledgeable in the use of high-resolution graphics, generation of sound, special printer functions, and the development of text files. Each student enrolled in this course will analyze, write, and debug computer programs. Students will be encouraged to work at a level of difficulty that will challenge their individual ability and interest.

PROGRAMMING III P

**[Technology Literacy]
[Career and Technical Education]**

Course Code: 143300

Grade Level: 9, 10, 11, 12

Prerequisite: Completion of Programming II P

Length: One trimester/semester, repeatable

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

Description: Students will learn to program using built in controls and classes. Emphasis will be placed on programming algorithms. Students will learn to integrate Microsoft Office applications and Visual Basic Net. The course will explore advanced algorithms using process driven programming and pointers within the Visual Basic Net programming language, and generalizing how they are used in other high-level languages. Students repeating for credit will continue programming learning activities in a self-directed environment. This course is aligned with the Information Services and Technology Strand of the California Career Technical Standards.

AP COMPUTER SCIENCE A

**[Technology Literacy]
[Career and Technical Education]**

Course Code: 288910, 288920

Grade Level: 10, 11, 12

Prerequisite: Programming I P, Algebra II P, or permission of teacher

Length: Two trimesters/semesters

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

Description: Students will program in Java using the activities, techniques, and constructs listed in the AP Computer Science Topic Outline, the official documentation for an AP Computer Science course published by the College Board. Students will have the option of taking the AP Computer Science test, recognized by many colleges and universities as the equivalent of an introductory level programming class.

AP COMPUTER SCIENCE PRINCIPLES P

[Technology Literacy]

This course is pending Board Approval

Course Code: 289010, 289020

Grade Level: 9, 10, 11, 12

Prerequisite: Ability to navigate computer file systems and being familiar with using multiple software programs including, but not limited to productivity software (e.g., Microsoft Office, Google Docs) and instructional platforms (e.g., Moodle, Google Classroom)

Recommended: Exploring Computer Science and 25 wpm typing speed.

Length: Two trimesters/semesters

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

Description: AP Computer Science Principles is computer science course designed to give students foundational computing skills, and understanding of the real-world impact of computing applications, and programming literacy. It is designed to introduce a wider range of students to the central tenets of computer science and to interest them and prepare them for success in computer science and other STEAM fields. The course was developed to reflect the latest scholarship in the field of computer science.

COMPUTER SERVICE TECHNOLOGY

**[Technology Literacy]
[Career and Technical Education]**

Course Code: 288110, 288120

Grade Level: 10, 11, 12

Recommended Prerequisite: Computer Technician I recommended

Length: Two trimesters/semesters, repeatable

Description: Computer Service Technology will teach students how to diagnose and repair computer hardware and how to fix software and hardware problems. Students successfully completing the course will be able to perform the task of a Computer Repair Technician. Students will train for, and the curriculum is aligned to, CompTIA's A+ industry standard computer technician certification, although receiving certification is not part of the course. This course covers the A+ Essentials core and the 220-604 Technician exam.

INTRODUCTION TO NETWORKING

[Technology Literacy]

Course Code: 288710, 288720

[Career and Technical Education]

Grade Level: 10, 11, 12

Recommended Prerequisite: Computer Service Technology

Length: Two trimesters/semesters

Description: This course introduces students to the equipment, operating systems, applications and wiring configurations, needed to set up computer networks. Students will learn how to set up, maintain, and troubleshoot computer networks. A clear understanding of the architecture of computer networks will allow these students to excel. Students will train for, and the curriculum is aligned to, CompTIA's Network +, Sever+, MCSE, and Linux+ industry standard network technician certification, although receiving certification is not part of the course.

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.

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.

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.**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.**ENGLISH LANGUAGE AP SEMINAR***Course Code:* 152330*Grade Level:* 11*Prerequisite:* Prior two trimesters of AP English Language*Length:* One trimester*Description:* The English Language Seminar AP course will provide students with extensive practice for the Advanced Placement Language Examination offered in May. Each week in class, students will write to AP essay prompts and will be trained in essay scoring. In addition to composition and analysis, the students will complete weekly AP multiple-choice exams, will write multiple-choice questions, and learn test-taking strategies for not only the multiple-choice section, but the essay section as well.**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.**

CREATIVE WRITING P

Course Code: 161200

Grade Level: 10, 11, 12

Prerequisite: Grade of B or better in English for the previous year

Length: One trimester/semester, repeatable

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

Description: Creative Writing is a class to improve skills for students who enjoy writing stories, poems, skits, and other imaginative writing. Students will be required to share drafts orally and in written form to develop each student's unique style and voice.

CLASSICAL AND MYTHOLOGICAL LITERATURE P

Course Code: 161100

Grade Level: 11, 12

Prerequisite: None

Length: One trimester/semester

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

Description: This literature-based course focuses on mythologies of various cultures and historical periods, concentrating on oral traditions, cultural beliefs, and religions.

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: 164300

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.

NEWSPAPER PRODUCTION

[Technology Literacy]

Course Code: 165200

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester, repeatable

Description: Newspaper Production is an introductory course that allows students to use the skills involved in writing, designing, and producing the school newspaper and news websites.

YEARBOOK PRODUCTION

[Technology Literacy]

Course Code: 165410, 165420

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters/semesters, repeatable

Description: Students enrolled in this course will plan, sell, and distribute the school yearbook. Students will practice project planning, writing, design, layout, sales, advertising, and business management skills related to the production of the yearbook. NOTE: Students assigned to positions as editors or business manager on the yearbook staff may enroll in two periods of Yearbook Production each trimester/semester. Ten units of credit will be granted for two-period enrollment.

FILM STUDIES

This course is pending Board Approval

Course Code: 155100

Grade Level: 11, 12

Prerequisite: None

Length: One trimester/semester

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

Description: Film Studies is a basic introduction to the concepts and techniques of film analysis and criticism. This course explores theories of how and why films make meaning, how and why spectators absorb these meanings, and the role of film with historical, cultural, psychological, and social contexts.

INTRODUCTION TO ETHNIC STUDIES

This course is pending Board Approval

Course Code: 153300

Grade Level: 10, 11, 12

Prerequisite: None

Length: One trimester/semester

College Entrance: Pending 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.

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. 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 Next Generation English Language Development Standards in conjunction with the grade 9-10 Common core English Standards. 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.

ENGLISH LEARNER CONTENT COURSES (Health & Family Living, Integrated Science, Biology, World History, and U.S. History)

Course Code: Various/selected by counselor

Grade Level: 9, 10, 11 or 12 and consideration of the student's English language proficiency level

Description: Content area courses for English Learners are taught in English with SDAIE (Specially Designed Academic Instruction in English) techniques and Spanish language support. The curriculum parallels the corresponding content area courses.

FOREIGN LANGUAGE DEPARTMENT

LATIN I P

[Foreign Language]

Course Code: 182110, 182120

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: Latin I P is an introduction to the language and culture of the ancient Romans.

This course emphasizes the basic structures of the language and the reading of Latin texts.

Students will gain a foundation in Latin grammar, practice reading and translating Latin, learn derivatives of Latin words, and be introduced to a variety of aspects of classical culture.

LATIN II P

[Foreign Language]

Course Code: 182210, 182220

Grade Level: 10, 11, 12

Prerequisite: Latin I P

Length: Two trimesters/semesters

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

Description: Latin II P is a continuation of the study of the language and culture of the ancient

Romans. The course expands the study of Latin grammar and introduces complex structures

and more sophisticated readings. Students will investigate a variety of new aspects of classical culture.

LATIN III P

[Foreign Language]

Course Code: 182310, 182320

Grade Level: 11, 12

Prerequisite: Latin II P

Length: Two trimesters/semesters

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

Description: Latin III P involves the review of Latin grammar and the reading and examination of original Latin texts. Students will learn advanced grammatical concepts, analyze literary texts critically, and make in-depth examinations of aspects of Roman culture.

AP LATIN

[Foreign Language]

Course Code: 182710, 182720

Grade Level: 12

Prerequisite: Latin III P

Length: Two trimesters/semesters

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

Description: Students will read the entire AP Latin syllabus, which includes one prose author (Julius Caesar), and one poet (Vergil). Students will translate and critically analyze the original Latin texts and expand their understanding of Latin prose style, poetics, and historical and literary components relevant to both authors. Students will review and expand their skills in Latin grammar, in particular the grammatical nuances unique to both Caesar and Vergil. Students will practice sight translation of both prose and poetry passages of the syllabus.

LATIN AP SEMINAR

Course Code: 182730

Grade Level: 12

Prerequisite: AP Latin (two trimesters)

Length: One trimester

Description: Students will complete their translation and study of the AP Syllabus. They will review Latin grammar and scansion of poetry, as well as improve their abilities in sight reading, reading comprehension and essay writing skills. After the exam, students will study other classical epic poets.

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.

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.

SPANISH LANGUAGE AP SEMINAR

Course Code: 183630

Grade Level: 11, 12

Prerequisite: AP Spanish Language

Length: One trimester

Description: Students will refine and expand communicative skills and grammatical concepts learned in previous levels. Through repeated practice, they will improve their ability to comprehend formal and informal spoken Spanish in dialogues, narratives, lectures, and interviews on cultural and literary topics. Students will also correctly identify words, expressions, and grammatical structures of certain complexity in written form. Also the course will prepare them to write well-organized essays on newspaper articles, magazine passages, cultural events, and literary topics with accurate grammar and per syntax. Also students will actively participate in conversations with another fluent speaker by responding, clarifying, and expressing ideas with accuracy and fluency. In addition, students will take and analyze practice exams during the course of the trimester on materials that were released by AP Central College Board. After the AP Exam in May, students will read, watch, and analyze literary-based films such as Marianela, Los de abajo, Doña Barbara, Bodas de sangre, and/or La casa de Bernarda Alba. Students will create their favorite scene in class.

AMERICAN SIGN LANGUAGE I P

[Foreign Language]

Course Code: 184110, 184120

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: American Sign Language I is an introductory course to the visual-gestural language used by deaf people in the United States. Emphasis will be placed on basic sign vocabulary development, grammatical structure, and the manual alphabet. Students will gain an understanding and appreciation of “deaf” culture and history, as well as an awareness of assistive devices technologies which are available. This class is designed for any student interested in developing the basic skills necessary to communicate with deaf people.

AMERICAN SIGN LANGUAGE II P

[Foreign Language]

Course Code: 184210, 184220

Grade Level: 10, 11, 12

Length: Two trimesters/semesters

Prerequisite: American Sign Language I P

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement
Description: American Sign Language II P is a continuation course to the visual-gestural language used by Deaf people in the United States. Emphasis will be placed on sign vocabulary development, grammatical structure, and the manual alphabet. Students will further their understanding and appreciation of “deaf” culture and history.

AMERICAN SIGN LANGUAGE III P

[Foreign Language]

Course Code: 184310, 184320

Grade Level: 10, 11, 12

Prerequisite: American Sign Language II P

Length: Two trimesters/semesters

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

Description: Students taking American Sign Language III P will study and practice the language in a predominantly non-verbal environment. They will develop strong expressive and receptive skills using a broad range of subject areas. Emphasis will be placed on the correct usage of non-manual signals.

HOME ECONOMICS CAREERS AND TECHNOLOGY DEPARTMENT

FASHION DESIGN P

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

Course Code: 191100

Grade Level: 9, 10, 11, 12

Prerequisite: MBHS: Creative Living or 11th/12th grade standing or consent of teacher
SLOHS: None

Length: One trimester/semester

College Entrance: Completing Fashion Design P and Advanced Fashion Design P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: This course will focus on the fashion industry. Students will explore and demonstrate knowledge in cultural and social influences on the fashion industry. Students will learn the elements and principles of design in both two-dimensional and three-dimensional design. They will learn industry terminology. They will become familiar with prominent designers (past and present), recognize the impact of other art forms on the fashion industry, and use academic discipline as part of their learning the industry. Students will create a portfolio of sketches, figure drawings, study the world of textiles, as well as create fashion. Students will be required to research educational and career requirements and opportunities in the field of fashion.

ADVANCED FASHION DESIGN P

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

Course Code: 191200

Grade Level: 10, 11, 12

Prerequisite: Fashion Design P

Length: One trimester/semester, repeatable

College Entrance: Completing Fashion Design P and Advanced Fashion Design P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: Students enrolled in this course will explore and demonstrate knowledge of the historical and cultural influences on the fashion industry. They will become familiar with prominent designers (past and present), and they will learn to recognize the impact other art forms and academic disciplines have on the fashion industry. Students will create a portfolio of sketches, fashion lines using figure drawings, and their own fabric designs to use on a figure drawing. Students will continue their understanding of how garments are designed by more complicated construction techniques. They will learn about fashion merchandising and at the end of the course, students will participate in the production of a fashion show which will also showcase their work in gallery style. They will continue to learn how fashion design is connected to other academic disciplines and the career opportunities that are related to fashion design and the world of fashion.

INTERIOR DESIGN

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

Course Code: 192100

Grade Level: 9, 10, 11, 12

Prerequisite: MBHS: Creative Living or 11th or 12th grade standing
SLOHS: None

Length: One trimester/semester

College Entrance: Completing Interior Design and Advanced Interior Design meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: This course will enable students to gain skills in designing and decorating personal living areas. The elements and principles of design will be used in floor plans, furniture

arrangements, and creative decorating. Activity examples: drawing floor plans, coordinating decorative environments, and creating accessories.

ADVANCED INTERIOR DESIGN

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

Course Code: 192200

Grade Level: 10, 11, 12

Prerequisite: Interior Design

Length: One trimester/semester, repeatable

College Entrance: Completing Interior Design and Advanced Interior Design meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: This course enables students to apply their knowledge of the fundamentals of interior design in producing professional presentation boards for personal and commercial design projects. The relationship between the architectural design of the exterior and the interior is analyzed. Career possibilities related to this area are explored. Activity examples: reading blueprints, designing multiple room plans, designing commercial interiors, and designing by computer.

FASHION AND INTERIOR MERCHANDISING **[Career and Technical Education]**

Course Code: 287210, 287220

Grade Level: 11, 12 or age 16

Prerequisite: Advanced Fashion Design P or Advanced Interior Design or consent of instructor

Length: Two trimesters/semesters

Description: Students in the Fashion Design, Manufacturing, and Merchandising career pathway establish a foundation in all aspects of the fashion industry. Students pursuing this career path study the industry; laws and regulations; operational procedures and safety; history of fashion; fashion forecasting; textiles and textile products; design principles and elements; merchandising and fashion forecasting; garment manufacturing; product knowledge and apparel merchandising; sales and services; visual merchandising; inventory control and loss prevention; pattern making for apparel design; developing and merchandising a line; textile design; garment alteration and repair; and care and cleaning of apparel. Fashion design, manufacturing, and merchandising students also learn employment and management skills.

Students pursuing the Interior Design and Furnishings career pathway study all aspects of the field including the principles and elements of interior design; space planning and interior systems; window, wall, and floor fabrication and installation; furniture construction; sales and merchandising; history of furniture and design; laws and regulations; operational procedures and professionalism; residential and commercial design. Interior Design and Furnishings students also learn employment and management skills.

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.

NUTRITION

[Career and Technical Education]

Course Code: 194100

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

Description: This course focuses on the basic science of nutrition. Personal nutritional needs as well as planning, preparing, serving, food safety and sanitation, and evaluating nutritious food will be explored. Analysis of food items and personal eating habits will be experienced.

Activity examples: preparing nutritious products, using a variety of cooking tools and equipment, reading and understanding food labels, and preparing quick and easy recipes.

NUTRITION AND CULTURAL FOODS

[Career and Technical Education]

Course Code: 194200

Grade Level: 10, 11, 12

Prerequisite: Nutrition

Length: One trimester/semester

Description: This course continues to focus on the basic science of nutrition. Global food choices and customs, world hunger, food preparation around the world, and outdoor cookery are explored. Activity examples: barbecuing, setting up a buffet, preparing food items from other countries, analyzing nutritional values of foods, and exploring careers in this area.

CAREERS WITH CHILDREN

[Career and Technical Education]

Course Code: 287510, 287520

Grade Level: 11, 12 or age 16

Recommended Prerequisite: Developmental Psychology of Children I P, application, and consent of teacher. Students must meet the requirements for volunteer aides as outlined by the Department of Social Services (Day Care Licensing).

Length: Two trimesters/semesters, two periods daily

College Entrance: This course is eligible for Cuesta College Articulated Credit.

Description: This course is designed to give high school students the opportunity to learn entry-level job skills in the field of childcare, while working at the on-campus lab, Tiny Tiger Preschool or community field sites. The students learn career opportunities and general job skills related to working with children. Students spend three weeks in a classroom training program and the remainder of the trimester/trimester/semester is spent working with young children. Weekly classroom seminars are held for preparation, evaluation and curriculum enrichment. The course is a one-year class with a maximum of 20 units of credit with a certificate of competence awarded at the completion of the course.

HOSPITALITY, TOURISM AND FOOD SERVICE [Career and Technical Education]

Course Code: 287610, 287620

Grade Level: 11, 12 or age 16

Prerequisite: Nutrition and Nutrition and Cultural Foods

Length: Two trimesters/semesters

Description: This course will provide students with skills, knowledge, and experience in the areas of hospitality, tourism, recreation, and food service. The class will focus on the many career opportunities available in this exciting and growing field. As a partnership between the business community and schools, students will be provided with a uniquely designed course of instruction and community experiences which will enable them to gain pertinent academic knowledge and acquire marketable skills.

TEACHING CAREERS**[Career and Technical Education]***Course Code:* 287410, 287420*Grade Level:* 10, 11, 12*Prerequisite:* None*Length:* Two trimesters/semesters, repeatable

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

AUTO I

[Career and Technical Education]

Course Code: 200100

Grade Level: 10, 11, 12

Prerequisite: None

Length: One trimester/semester

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

[Career and Technical Education]

Course Code: 200210, 200220

Grade Level: 10, 11, 12

Prerequisite: Auto I

Length: Two trimesters/semesters

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.

AUTOMOTIVE ENGINE DIAGNOSIS [Career and Technical Education]

Course Code: 282100

Grade Level: 11, 12 or age 16

Recommended Prerequisite: Auto I and Auto II or consent of teacher

Length: One trimester/semester, two periods daily (First trimester/semester only)

College Entrance: This course is eligible for Cuesta College Articulated Credit.

Description: The purpose of this course is to develop specific competencies needed for entrance into occupations in the following areas: mechanical condition testing, starting system service, charging system service, ignition system service, fuel system service, and emission control system service. Class time will be divided between lecture, demonstration, and work in shop with emphasis on diagnosis, service, and repair. Students will also be provided the opportunity to further develop their skills by working in an auto repair facility in the community during the final weeks of the trimester/semester.

AUTOMOTIVE INTERNSHIP

[Career and Technical Education]

Course Code: 282410, 282420

Grade Level: 11,12 or age 16

Recommended Prerequisite: Automotive Maintenance or Automotive Engine Diagnosis or Automotive Chassis and Drivetrain Systems

Length: Two trimesters/semesters, repeatable

Description: This course is designed to give students actual "hands-on" experience in an automotive repair facility. Each student will work as an apprentice under a certified, experienced technician. Students will learn entry-level skills that are needed to succeed in the automotive industry. The purpose of this class is to give students an idea of what it is like to work in the automotive industry.

AUTOMOTIVE CHASSIS AND DRIVETRAIN SYSTEMS [Career and Technical Education]

Course Code: 282500 (A&B), 282310, 282320

Grade Level: 11, 12 or age 16

Prerequisite: One year of high school automotive technology or equivalent as evidenced by passing the auto theory exam

Length: Two trimesters/semesters

Description: This program leads to career opportunities in the automotive service industry and/or placement in a community college or post high school educational program. Students will be prepared for employment in an automotive repair facility as an entry level technician. Students will learn theory and practical repairs necessary to repair and maintain common powertrain systems with an emphasis on diagnosing and problem-solving techniques. Special attention will be given to those areas covered in the national Automotive Service Excellence (ASE) test. Students will be encouraged to take these tests at the completion of this program. Part of the course may be spent training in community classroom or cooperative training in a repair facility as a learning experience. Upon completion, students may be assisted in finding employment as entry level automotive technicians or as a trainee in specialty areas such as brakes, wheel alignment, drivetrains, or other related areas. Possible employers will be new car dealers, independent repair facilities, and specialty shops.

ENGINEERING DRAWING & DESIGN I

[Technology Literacy]

[Career and Technical Education]

Course Code: 201500

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

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

Description: This is the first course in the drafting sequence. This course is recommended for students who have a career interest in engineering, architecture, interior design, Computer-Aided Drafting and Design, construction, gaming and animation, robotics and manufacturing. Engineering Drawing & Design I will begin by exploring the fundamentals of mechanical drafting, such as sketching, 2D drawings, 3D drawings, and dimensioning. The students will then progress to work with the latest version of 3D modeling software to produce multi-view drawings, isometric drawings, 3D models, and product designs.

ENGINEERING DRAWING & DESIGN II

[Technology Literacy]

[Career and Technical Education]

Course Code: 201610, 201620

Grade Level: 10, 11, 12

Prerequisite: Engineering Drawing & Design I or consent of instructor

Length: Two trimesters/semesters

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

Description: This course is recommended for the student that may have an interest in pursuing engineering or any other technically oriented career choice. Students will increase their understanding of drawing and the design process and techniques learned in the prerequisite course. Concepts, skills, and applications of the latest version of the computer software programs will be explored. Students will draw several advanced mechanical and technical drawings. The student will be required to brainstorm, engineer, and design mechanical, structural, electrical, aerospace, industrial, packaging, and manufacturing engineering products.

ENGINEERING DRAWING & DESIGN III

[Technology Literacy]

[Career and Technical Education]

Course Code: 201710, 201720

Grade Level: 11, 12

Prerequisite: MBHS: Engineering Concepts or Manufacturing Concepts

SLOHS: Engineering Drawing & Design II or consent of instructor

Length: Two trimesters/semesters, repeatable

College Entrance: This course is eligible for Cuesta College Articulated Credit and 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.

WELDING TECHNOLOGY

[Career and Technical Education]

Course Code: 202400

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

Description: The purpose of this course is to teach students to weld. This course covers safety, layout and measurement, sheet metal practice, oxyacetylene and electric arc welding procedures. Students will also have instruction in career opportunities.

METAL I: INTRODUCTION TO METAL FABRICATION AND MACHINING

[Career and Technical Education]

Course Code: 202100

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

Description: This course covers safety, layout and measurement, machine shop practices, sheet metal, and foundry practice.

METAL II: WELDING, FABRICATION, AND MANUFACTURING

[Career and Technical Education]

Course Code: 202210, 202220

Grade Level: 10, 11, 12

Prerequisite: Metal I or Welding Technology

Length: Two trimesters/semesters

Description: Students in this course will increase their understanding of safety, machine shop practices, oxyacetylene and arc welding, and precision layout and measurement learned in the prerequisite courses. The class will introduce new welding skills in the GMAW and GTAW welding process. This class will also cover the techniques necessary to follow a set of plans and fabricate a specific project. This course includes supplies to meet the curricular objectives. However, individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

METAL III: ADVANCED WELDING, FABRICATION, AND MANUFACTURING

[Career and Technical Education]

Course Code: 202310, 202320

Grade Level: 11, 12

Prerequisite: MBHS: Engineering Concepts

SLOHS: Metal II

Length: Two trimesters/semesters

Description: This course covers safety and builds on welding and machining. Emphasis will be placed on project design, planning, and construction of a project of the student's choice. This course includes supplies to meet the curricular objectives. However, individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

METAL IV: ADVANCED WELDING AND PROJECT FABRICATION

[Career and Technical Education]

Course Code: 202510, 202520

Grade Level: 11, 12

Prerequisite: MBHS: Engineering Concepts
SLOHS: Metal III or consent of instructor

Length: Two trimesters/semesters

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

WOOD I

[Career and Technical Education]

Course Code: 204100

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

Description: This course involves the learning of safe practices in the use of hand and power tools. The student is instructed in planning and designing a specified project which involves the basic operations of both hand and machine tools. The student then progresses to self-selected projects under the direction of the teacher. Individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

WOOD II

[Career and Technical Education]

Course Code: 204210, 204220

Grade Level: 10, 11, 12

Prerequisite: Wood I

Length: Two trimesters/semesters

Description: This course is pre-vocational with emphasis on furniture and cabinet making. The above includes both personal and school projects. The student explores the woodworking industry as well as develops working skills and knowledge about equipment, materials, and maintenance of machine and hand tools. Individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

WOOD III

[Career and Technical Education]

Course Code: 204310, 204320

Grade Level: 11, 12

Prerequisite: Wood II

Length: Two trimesters/semesters

Description: This is a course for advanced woodworking students to develop entry-level knowledge and skills in the woodworking industry. The students will be involved in building cabinets and furniture. A portion of the program will be devoted to materials and processes of related trades and industries. Work will consist of class discussions, field trips, and school and student projects. Individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

CONSTRUCTION

[Career and Technical Education]

Course Code: 204410, 204420

Grade Level: 10, 11, 12

Prerequisite: Wood I

Length: Two trimesters/semesters, repeatable

Description: This course is designed to give the student a complete overview of the residential construction process. It is not designed to emphasize one aspect of construction more than any other. This course assumes the student knows and wants to begin improving his/her understanding of the construction business.

MATHEMATICS DEPARTMENT

ALGEBRA I 9 12 P

[Mathematics]

Course Code: (SLOHS) 210210, 210220, 210230
(MBHS) 211210, 211220

Grade Level: 9, 10, 11, 12

Prerequisite: Math 8 or Math 8 ACC

Length: Three trimesters/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: (SLOHS) 211910, 211920, 211930
(MBHS) 211310, 211320

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra I P

Length: Three trimesters/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: (SLOHS) 212510, 212520, 212530
(MBHS) 211410, 211420

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra I P (Recommended Grade of B- or better in Algebra I)

Length: Three trimesters/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: (SLOHS) 212410, 212420, 212430
(MBHS) 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: (SLOHS) 212810, 212820, 212830
(MBHS) 211610, 211620

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra I and completion of or concurrent enrollment in Geometry (P or H). (Recommended Grade of B- or better in both Algebra I and 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 periodic trigonometric functions: circular functions, periodicity of sine function and its variants, radian measure, polar and rectangular coordinates, and trigonometric identities with emphasis on Pythagorean identities. Educational technologies, such as graphing calculators, will be used. Pre-Calculus will also focus on linear programming problems, the Theory of Equations, matrices and vectors, sequences and series, exponential and logarithmic functions, probability, and statistics.

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 periodic trigonometric functions and their applications with a more advanced, in-depth analysis approach.

PreCalculus will also focus on the concepts of linear programming, the Theory of Equations, matrices and vectors, sequences and series, exponential and logarithmic functions, limits and the derivative of a function, and probability and statistics. The honors-level course is differentiated through: acceleration/pacing, depth, and complexity. Emphasis is placed on advanced research activities and projects. Students are expected to apply higher level thinking skills to complex problems. Educational technologies, such as graphing calculators, will be used.

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.

CALCULUS AP SEMINAR - AB

Course Code: 212230

Grade Level: 10, 11, 12

Prerequisite: AP Calculus A and B with a grade of "B" or better.

Length: One trimester/semester

Description: This is a course designed for students who plan to take the AP test and would like to learn additional calculus topics not covered in the standard AP-AB course. The additional material will better prepare students for more advanced topics found in a University calculus course.

AP CALCULUS BC**[Mathematics]**

Course Code: 212110, 212120

Grade Level: 11, 12

Prerequisite: AP Calculus AB

Length: Two trimesters/semesters

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

Description: Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB.

CALCULUS AP SEMINAR - BC

Course Code: 212130

Grade Level: 11, 12

Prerequisite: AP Calculus BC A and B with a grade of “B” or better

Length: One trimester/semester

Description: This is a course designed for students who plan to take the AP test and would like to learn additional calculus topics not covered in the standard AP-BC course. The additional material will better prepare students for more advanced topics found in a University calculus course.

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.

STATISTICS AP SEMINAR

Course Code: 212330

Grade Level: 11, 12

Prerequisite: AP Statistics, A and B

Length: One trimester

Description: This course is designed to ready students for the AP Statistics Exam. Topics covered include: exploring data, planning a study, anticipating patterns, and statistical inference.

EAP Senior Math**[Mathematics]****This course is pending Board Approval***Course Code:* 212910, 212920*Grade Level:* 12*Prerequisite:* Successful Completion of Algebra 2*Length:* Two trimesters/semesters*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

GUITAR I P

[Visual/Performing Arts]

Course Code: 220100

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester, not repeatable

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

Description: This course develops the physical skills necessary to play beginning level guitar music accurately and with good tone quality, develops skills in reading music notation, and develops an understanding of the historical significance of the guitar and its literature. This course also provides an understanding of musical elements and how they apply to the music played and heard.

GUITAR II P

[Visual/Performing Arts]

Course Code: 220200

Grade Level: 9, 10, 11, 12

Prerequisite: Guitar I

Length: One trimester/semester

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

Description: Students will be instructed in how to play a variety of chord patterns, 12-bar-blues; barre chords; read music notation and tablature; play scales; recognize key signatures, fingerpick; improvise; build a varied repertoire of songs to perform. They will be required to write a research paper on an individual who has made a career in music.

GUITAR III

[Visual/Performing Arts]

Course Code: 220300

Grade Level: 9, 10, 11, 12

Prerequisite: Guitar I and II

Length: One trimester/semester

Description: Students will play guitar in small ensembles with one person on each part. They will arrange songs, compose chord progressions and integrate these skills for performance. They will further develop their guitar-playing skills, technique and understanding of music theory. They will be required to write a research paper on a specific style of music.

BAND 9-12 P

[Visual/Performing Arts]

Course Code: 221310, 221320, 221330

Grade Level: 9, 10, 11, 12

Prerequisite: Audition

Length: Three trimesters/two semesters, repeatable

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

Description: This course includes advanced instrumental techniques, performance of a wide range of music, festival participation, and numerous public performances.

JAZZ /STAGE BAND P

[Visual/Performing Arts]

Course Code: 221410, 221420, 221430

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.

CONCERT CHOIR P

[Visual/Performing Arts]

Course Code: 223110, 223120, 223130

Grade Level: 9, 10, 11, 12

Prerequisite: Audition/teacher recommendation

Length: Three trimesters/two semesters, repeatable

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

Description: Concert Choir P 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 P is ongoing musical development including choral tone, and a multitude of various choral characteristics.

CHAMBER SINGERS P

[Visual/Performing Arts]

Course Code: 223310, 223320, 223330

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 students' 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.

MUSIC APPRECIATION

[Visual/Performing Arts]

This course is pending Board Approval

Course Code: 223500

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

College Entrance: Pending approval for 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.

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.

ADVANCED RACQUET SPORTS

Course Code: 260100

Grade Level: 10, 11,12

Prerequisites: None

Length: One trimester/semester, repeatable with instructor approval

Description: This course will include advanced techniques and skill development in tennis, badminton, table tennis, paddleball and aerial tennis.

LIFETIME SPORTS

This course is pending Board Approval

Course Code: 241300

Grade Level: 11,12

Prerequisites: None

Length: One trimester/semester, repeatable with instructor approval

Description: Lifetime Sports is a high school course for both boys and girls who wish to participate in physical activities that can be pursued throughout one's lifetime. Students will learn the safety guidelines, basic techniques, and rules for a variety of games. Emphasis in this class will be on development of a spirit of cooperation, good sportsmanship, and understanding the relevance between physical activities and improved health.

WEIGHT TRAINING

Course Code: 260600

Grade Level: 9, 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: 9, 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.

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

Course Code: 250000

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One semester, repeatable with consent of teacher

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

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 time frame 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 time frame 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 time frame 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 time frame 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 time frame 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 time frame 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 time frame 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 time frame 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 time frame 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 time frame 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 time frame 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 time frame 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 time frame of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for wrestling.

SCIENCE DEPARTMENT

INTEGRATED SCIENCE P

[Physical Science]

Course Code: 290510, 290520

Grade Level: 9, 10, 11

Prerequisite: None

Length: Two trimesters/semesters

College Entrance: Meets one year of UC (g) Elective requirement or one year of CSU (d) Laboratory Physical Science requirement

Description: This is a foundational 9th grade course that students will take in their first year of high school science. Through mainly hands-on inquiry, experimentation and engineering practices, students will be immersed in the topic areas of Physics, Chemistry and Earth-Space Science. Students will ask scientific questions, create and use models, and design their own investigations. Students will also get experience analyzing and interpreting data, formulating solutions to real-world problems and using evidence to argue their findings.

BIOLOGY P

[Life Science]

Course Code: 291310, 291320

Grade Level: 10, 11, 12

Prerequisite: Agricultural Integrated Science I P or Agricultural Integrated Science I H or Integrated Science I P or Integrated Science I H

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.

BIOLOGY H

[Life Science]

Course Code: 291410, 291420

Grade Level: 10, 11, 12

Prerequisite: Agricultural Integrated Science I P or Agricultural Integrated Science I H or Integrated Science I P or Integrated Science I H

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. The honors-level course is differentiated through depth, complexity and expectation. Emphasis is placed on advanced research, higher-level thinking skills and academic role modeling.

CHEMISTRY P

[Physical Science]

Course Code: 292110, 292120

Grade Level: 11, 12

Prerequisite: Integrated Science I P or Integrated Science I H and Biology P or Biology H, and/or Agricultural Integrated Science I P or Agricultural Integrated Science I H and Agricultural Biology P or Agricultural Biology H, 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 and energy and the transformations between them. Topics include nomenclature, methods in science, stoichiometry, solutions, acids and bases, kinetics, and equilibria. Lab work is required.

AP CHEMISTRY

[Physical Science]

Course Code: 292310, 292320

Grade Level: 11,12

Prerequisite: Integrated Science I P or Integrated Science I H and Biology P or Biology H, and/or Agricultural Integrated Science I P or Agricultural Integrated Science I H and Agricultural Biology P or Agricultural Biology H and Algebra II 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 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.

CHEMISTRY AP SEMINAR

Course Code: 292330

Grade Level: 11,12

Prerequisite: AP Chemistry A and B with a grade of "B" or better.

Description: This course is designed to help the students get a top score on the AP test given in May. Topics include the structure of matter, electron configurations, bonding, nuclear chemistry, states of matter, solutions, reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. A great deal of lab work and computer work on APEX learning will take place.

PHYSICS P

[Physical Science]

Course Code: 293110, 293120

Grade Level: 11, 12

Prerequisite: Chemistry P or Chemistry H or AP and concurrent enrollment in Pre-Calculus P or Pre-Calculus H recommended

Length: Two trimesters/semesters

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

Description: Students in this course will study mechanics, energy, waves, heat, and electricity. This class emphasizes critical thinking and problem-solving as applied to the physical world. Lab work and projects are integral components of this course.

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

PHYSICS 1 AP SEMINAR

Course Code: 293330

Grade Level: 11, 12

Length of Course: One trimester

Prerequisite: AP Physics 1 A & B

Description: This course is designed to support AP Physics 1 students in successfully passing the AP Physics Exam in May. Topics covered include Newtonian mechanics, waves and their interactions, electrostatics, and basic circuitry.

ANATOMY AND PHYSIOLOGY P

[Life Science]

Course Code: 294110, 294120

Grade Level: 11, 12

Prerequisite: Integrated Science I P or Integrated Science I H and Biology P or Biology H, and/or Agricultural Integrated Science I P or Agricultural Integrated Science I H and Agricultural Biology P or Agricultural Biology H

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.

ELECTIVES IN SCIENCE

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

ASTRONOMY P

Course Code: 300200

Grade Level: 10, 11, 12

Prerequisite: Integrated Science I P or Agricultural Integrated Science I P

Length: One trimester/semester

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

Description: This is a science elective course intended for students with an interest in astronomy and celestial observations. The course will give the students a more in-depth look at the areas of early cosmological models, astrophysics, telescopes, solar systems, and universe and cosmic evolution.

ENVIRONMENTAL SCIENCE P

Course Code: 296110, 296120

Grade Level: 11, 12

Prerequisite: Biology (P or H) or Agricultural Biology (P or H) with a "C" or better

Length: Two trimesters/semesters

College Entrance: Meets one year of UC/CSU (g) Elective 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 late eighteenth century to the present. Focus is on the expansion of the West and on the growing interdependence of people 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: The goals of European History AP are to develop: a) an understanding of some of the principal themes in modern European history, b) an ability to analyze historical evidence and historical interpretation, and c) an ability to express historical understanding in writing.

EUROPEAN HISTORY AP SEMINAR

Course Code: 321330

Grade Level: 10

Prerequisite: Completion of AP European History

Length: One trimester/semester

Description: The European History AP Seminar will continue in a format similar to the prior two trimesters, focusing on analytical skills and factual knowledge. This course will also focus on review of prior units, test preparation, and enrichment. Before the AP exam is given in May, this course will prepare students through not just a review of the course materials, but through practice and timed essay writing and multiple choice question strategies.

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 Jamestown settlement to 1900. The remainder of the course unfolds American history to the present. Career Education objectives will be included in this course.

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 study the history of the United States chronologically, with emphasis on interpretation and analysis of the material by contemporary and modern historians. Through the use of primary and secondary sources the student will not only acquire a basic understanding of the factual material but will develop the analytical and interpretive skills necessary to deal with the subject matter in greater depth. At the end of the course, qualified students may take the U.S. History AP test.

U.S. HISTORY AP SEMINAR

Course Code: 322330

Grade Level: 11

Prerequisite: Prior two trimesters of AP U.S. History

Length: One trimester

Description: The United States History Seminar AP course will provide students with both a comprehensive review of U.S. History, and a series of practice strategies in preparation for the Advanced Placement exam offered in May. Students will practice multiple-choice questions, document-based essay questions (DBQ), and free-response essay questions (FRE) with a view to scoring high enough on the exam to earn advanced placement college credit.

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 will properly prepare students for their responsibilities as American citizens by examining the scopes of both federal and California state governments, as well as the political process and political parties.

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: This course will give students an analytical perspective on government and politics in the US. It includes both the study of general concepts used to interpret US politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. At the end of the course, qualified students may take the US Government and Politics AP test.

GOVERNMENT AND POLITICS: US/ECONOMICS AP SEMINAR

Course Code: 323600

Grade Level: 12

Prerequisite: AP Government and Politics: US and AP Macroeconomics

Length: One trimester/semester

Description: The Government and Politics: US/Economics AP Seminar will continue in a similar format to the prior courses in Economics AP and Government AP, focusing on analytical skills and factual knowledge. This course will also focus on review of prior units, test preparation, and enrichment. Before the AP exam is given in May, this course will prepare students through

not just a review of the course material, but through practice and timed essay writing and multiple choice question strategies.

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: This is a social science course, enriching students' understanding of the operations and institutions of economic systems. It involves the study of basic economic concepts, comparative economic systems, individual and aggregate economic behavior, and international economic concepts. Career Education objectives will be included in this course.

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: This course is an analytical and lecture-based course designed to give students an in-depth understanding of economics in general and macroeconomics specifically. Through this AP course, students will come to realize that economics is not simply a body of facts, but part of a continuing process that is essential in the global economy in the 21st century. The course is designed to engage students in higher-order thinking strategies, which will enable them to become involved citizens who are effective, competent, self-directed learners. The students will be expected to complete out-of-class essays and projects that will ensure that they are competent, self-directed learners who exhibit self-discipline and self-motivation.

AP MICROECONOMICS

[Economics]

Course Code: 323400

Grade Level: 12

Prerequisite: None

Length: One trimester/semester

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

Description: This course gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. The course will explore competition, and its role in promoting greater free market efficiency as well as analyze free market failures and how to fix them. It places primary emphasis on the nature and functions of product markets, factor markets, and of the role of government in promoting greater efficiency and equity in the economy. At the end of the course, qualified students may take the Microeconomics AP test.

ELECTIVES IN SOCIAL SCIENCE

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

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: This course will include the study of identity and personality, human development, learning, motivation, emotions, altered states of consciousness, mental health, and mental illness. Students will have the opportunities to explore scientific perspectives on human behavior. They will 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: This course will include the study of the sociological perspective, including basic concepts, methods, culture, socialization, groups, marriage and family, demographic basis of society, and collective behavior. Topics of study include such social issues as crime and aging.

AP HUMAN GEOGRAPHY

This course is pending Board Approval

Course Code: 331410, 331420

Grade Level: 11, 12

Prerequisite: None

Length: Two trimesters/semesters

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

Description: This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

CRIMINAL JUSTICE OCCUPATIONS**[Career and Technical Education]**

Course Code: 287310, 287320

Grade Level: 11, 12

Prerequisite: None

Length: Two trimesters/semesters

Description: This course is designed to develop an awareness of and preparation for a variety of Criminal Justice System Occupations. Emphasis is placed on the development of attitudes, skills, and competencies related to these various occupations. Classroom instruction covers such topics as: 1) overview of the criminal justice system, 2) Constitutional and criminal law, 3) police department organization and procedures, 4) report writing, 5) judicial system, 6) correctional system, 7) crime prevention, and 8) career opportunities. In addition to the classroom instruction, students will be provided on-the-job training in community classrooms in a variety of positions in local enforcement agencies (e.g., Police Department, County Sheriff Department, District Attorney's Office, Probation Department, and Public Defender's Office). Throughout the course, students' writing skills and ability to deal with people will be stressed.

SPECIAL EDUCATION DEPARTMENT

(COURSE TITLE) – Intervention, Modified, Alternative

“Intervention” courses are resource classes in which the students receive the same curriculum as the general education course.

“Modified” courses are courses in which the general education curriculum is significantly modified for students with lower capabilities.

“Alternative” courses are courses which designate that the student is receiving an alternative curriculum. These classes are for students with significant impairments to learning, who cannot access the regular curriculum.

Course Code: Various/selected by counselor

Grade Level: 9, 10, 11, 12

Description: Courses provide services in an integrated resource program including general education and special education program options in accordance with the school site plan. Instructional content to address the student’s IEP goals is under the direction of the special education teacher. Instruction may be provided by general education staff, including but not limited to: Migrant Education staff and/or special education staff. Instruction is delivered in an integrated program that may include general and special education students.

Courses in the following subject areas may be offered: English, reading, mathematics, health, science, history/social science, life skills, computers skills, study skills, and career/vocational awareness.

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

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 9th grade year.

Length: Two trimesters/semesters

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 10th grade year.

Length: Two trimesters/semesters

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

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.

CONTEMPORARY WORLD PROBLEMS/STATE REQUIRED INSTRUCTION (S.R.I.)

Course Code: 320000

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester/semester

Description: This elective course uses contemporary world events as a basis for further study of the social sciences, i.e., historical, ethical, cultural, geographic, economic, and sociopolitical. SRI fulfills the state requirements for driver education.

DRILL TEAM

Course Code: 230110, 230120

Grade Level: 9, 10, 11, 12

Prerequisite: Consent of teacher

Length: Two trimesters/semesters (This elective course does not fulfill requirement for P.E.), repeatable

Description: Try-outs are held in the spring each year and students are invited to be a part of the class and team. The emphasis of the class is to learn and perform dancing and marching routines at all home football games and special events during the year. Drill Team

performances require uniforms. No fees are imposed to pay for the cost of the uniform; however, donations will be accepted and student fundraising activities will be organized.

LEADERSHIP

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: One trimester/semester - appointed; Two trimesters/semesters - elected, repeatable

Description: Practical experience is gained through management of student government and activities. The course covers parliamentary procedures, state-school law, ASB finance, group discussion techniques, principles of leadership behavior, advance planning, and problem solving.

STUDY SKILLS 9-12

Course Code: 235000

Grade Level: 9, 10, 11, 12

Prerequisite: At-risk 9th grade students

Length: One trimester/semester, repeatable

Description: This course provides at-risk students an opportunity to learn the necessary study skills for success at both the secondary high school level and for post secondary experiences, and to get tutorial assistance with core subject work. Students will be given instruction to: use time well in any environment, keep themselves organized for various circumstances, and learn strategies to be successful in a variety of situations. They will apply the learning to their current classes, class work, and extracurricular schedules. Enrollment is based on recommendations from the middle school staff using a variety of criteria: GPA, CST scores, academic history, etc.

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.

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