

Poway High School Course Catalog 2016-2017



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AGRICULTURE

AGRICULTURAL SCIENCE 1-2	Meets the UC/CSU “G” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

Agriculture Science 1-2 is designed as an entry level course for basic animal science, including health nutrition, and management. Course also covers an introduction to basic plant science including the growing and propagation of plants. Leadership development, FFA, and record keeping will be covered so the student has many opportunities to succeed at any level.

BIOLOGY AND SUSTAINABLE AGRICULTURE	Meets the UC/CSU “D” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Life Science

This one year course, organized into four major units integrates biological science practices and knowledge into the practice of sustainable agriculture. Within each unit of study, specific life science principles integrate with agricultural principles, as students gain knowledge of how the two disciplines inform each other, culminating in the development of a sustainable farm model and portfolio of supporting student research. This course will replace the Agricultural Biology course (000705-000706) and will meet the PUSD Life Science requirement for high school graduation.

VETERINARY SCIENCE 1-2	Meets the UC/CSU “G” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

This course is designed to provide students with entry-level skills in animal health occupations. Instruction includes small and large animal: management, disease and parasite control, nutrition, restraint, first aid, laboratory testing, anatomy and physiology and veterinary office procedures. Leadership activities, FFA and record keeping will be covered.

APPLIED ACADEMICS AND TECHNOLOGY

3D COMPUTER ANIMATION 1-2	Meets the UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

3D Computer Animation 1-2 focuses on the art of 3D computer animation. Students will learn the basics of the principles of animation, design, animation software (3D Studio Max or Softimage|XSI), modeling, storyboard development, script writing, character development, and application of these skills to be successful. Students will work in a production group to create a small-animated movie. It provides students with the opportunity to self-express and communicate their own ideas through the study of character design, backgrounds, props, digital painting, special effects, scene development, storyboard development and script writing/story writing, with the application to aesthetic theories. Students will work individually and in teams to create and plan an animated short story, through story design and implementation to a hand drawn storyboard, character development, and finally computer animation. They will analysis formally and aesthetically their group and individual work. Character development will concentrate on bringing life to the character using drawings and clay model studies created by the student. Students will experience working with different mediums to create storyboards and to design their own animated scenes and short stories.

3D COMPUTER ANIMATION 3-4	
Grade Level:	10-12
Prerequisite:	3D Computer Animation 1-2
PHS:	Fine Art

3D Computer Animation 3-4 is a studio class providing students with the opportunity to self-express and communicate their own ideas through the study of 3D Computer Animation focusing on design, backgrounds, props, digital painting, special effects, scene development, storyboard development and script/story writing, by creating a feature animation, a video game, scientific visualization, historical reconstruction, and so on. Students will choose an area of focus within the computer animation field and delve into that area. They will focus in greater depth on bringing life to their character and telling their story in a better format following video techniques and principles.

3D COMPUTER ANIMATION 5-6	
Grade Level:	11-12
Prerequisite:	3D Computer Animation 3-4
PHS:	Fine Art

3D Computer Animation 5-6 is a studio class as a continuation of 3D Computer Animation 3-4 with the addition for students to receive direction from a mentor in the field or in conjunction with an internship through a local business/industry partner. The course will provide students with a valuable insight to understanding the demands that are placed upon them in the workforce. The course will continue to provide students with the opportunity to self-express and communicate their own ideas through the study of 3D Computer Animation focusing on design, backgrounds, props, digital painting, special effects, scene

development, storyboard development and script/story writing, by creating a feature animation, a video game, scientific visualization, historical reconstruction, and so on. Students will continue to focus on their area of interest within the computer animation field and delve into that area with the help of their mentor or internship.

ARCHITECTURAL DESIGN 1-2	Meets the UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Architectural Design 1-2 focuses on the art of architecture. Students will study the history of architecture and design a set of architectural plans (AutoCAD / Architectural Desktop / ArchiCAD) of their dream home. Students will also create a 3D model of their house. The course includes the study and application of the elements and principles of design, the study of the history of ancient architecture from Catal Huyuk to the Ancient Baroque and its relevant vocabulary and structural devices, and an introduction to basic sketching and technical drawing skills.

CIVIL ENGINEERING AND ARCHITECTURE (CEA) 1-2	Meets UC/CSU “G” requirement
Grade Level:	10-12
Prerequisite:	None
PHS:	Fine Art

Civil Engineering and Architecture is a specialization course in the sequence of Project Lead the Way Engineering courses. This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields upon each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as: Project Planning, Site Planning, Building Design, Project Documentation and Presentation. Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

AUTO BODY REPAIR	
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

Auto Body Repair/Refinishing provides entry-level skills, upgrading of existing skills, and advanced skills training for people interested in the automotive field. Upon completion, students would be employable as an auto prepper, body mechanic, or auto painter. This course is designed to teach students the basic skills in auto body repairing and painting, including safety; use of tools and equipment; replacement components and trim; metal straightening by hammering, grinding, and sanding; refinishing materials; masking and taping; paints; thinners, and reducers; spraying primers and finish coats; and detailing completed cars. Job-getting/jobkeeping skills are also taught. Students learn the course material through lecture/teacher demonstration (20%), individual/self-directed instruction (20%), and shop/lab experiences (60%). Some of the major equipment/tools/instruments

used in class are the air file, air sander, welding machine frame straightener, and basic hand tools required for auto body repair.

AUTO ENGINEERING & DESIGN 1-2	
Grade Level:	10-12
Prerequisite:	Auto Mechanics 1-2 or Teacher Recommendation
PHS:	Elective

Automobile Engineering & Design 1-2 is a hands-on course developing futuristic automobile designs and mock-ups. Students will develop innovative automobile designs using industrial-standard hardware and software. They will construct a mock-up (functional prototype) of their designs and perform engineering testing on the model. This course will utilize the combined technologies of wood, automotive, and engineering. The final project is a miniature functional vehicle

AUTO MECHANICS 1-2	
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

Auto Mechanics 1-2 is designed to help students learn how automobiles should be serviced (prevention/maintenance of vehicles) and how to adjust various parts of automobiles to get the best possible performance. Emphasis is placed upon developing the students' interest in proper maintenance and proper operation of automobiles and understanding how the various units of the automobile work. Students work on laboratory units and on automobile component disassembly and assembly. They practice making repairs and adjustments. VHS, CDX programs, models, and charts play an important part in the instruction. Introduction to all Automotive Service Excellence (ASE) areas are covered.

AUTOMOTIVE TECHNOLOGY 1-2	
Grade Level:	10-12
Prerequisite:	None
PHS:	Elective

Automotive Technology provides entry-level training in the auto service occupations. Jobs in this field include, but are not limited to: brake repairer, tune-up person, lube person, and smog tester. Areas of instruction included are: brakes, alignment, engine performance, emissions, engine repair, automatic and manual transmission and air conditioning. Some of the major equipment/tools/instruments the students will use include brake lathes, Allen Smart Scope, distributor machines, EPA, and lubrication equipment.

AUTOMOTIVE TECHNOLOGY 3-4	
Grade Level:	10-12
Prerequisite:	Automotive Technology 1-2
PHS:	Elective

Automotive Technology 3-4 provides entry-level training for the auto service occupations and prepares students for post-secondary study in automotive and engineering fields. It is the second course in a sequence and is preceded by Automotive Technology 1-2. Auto

Body Repair is also included in this sequence. Some of the major equipment/tools/instruments the students will use include brake lathes, hand held scopes, distributor machines, EPA, and lubrication equipment. Students will be required to conform to dress codes and other safety-related standards.

DIGITAL MEDIA PRODUCTION 1-2	Meets UC/CSU "F" requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Students will learn to create short films (vignettes) from idea to inception. This course provides introductory and intermediate training in digital media production. This course covers the following: operation of video cameras, digital video editing equipment, digital audio editing equipment, lighting equipment, multi-track digital recorders, video recorders, compact disc & DVD recorders and rendering. Instruction includes basic development of treatments, storyboarding, script writing, and production concepts. Students will use equipment, which includes Final Cut Pro video & audio editing software. Digidesign Pro-tools, audio editing software, digital video cameras.

DIGITAL MEDIA PRODUCTION 3-4	Meets UC/CSU "F" requirement
Grade Level:	10-12
Prerequisite:	Digital Media 1-2
PHS:	Fine Art

Students will learn to create advanced short films (vignettes) from idea to inception. This course provides advanced training in digital media production. This course covers the following: operation of video cameras, digital video editing equipment, digital audio editing equipment, lighting equipment, multi-track digital recorders, video recorders, compact disc & DVD recorders and rendering. Instruction includes basic development of treatments, storyboarding, script writing, and production concepts. Students will use equipment, which includes Final Cut Pro video & audio editing software, Digidesign Pro-tools, audio editing software, digital video cameras. Advanced students will also be trained in use of jib crane work, advanced text generation, advanced HD film work, and advanced audio engineering.

PHOTOGRAPHY 1	Meets UC/CSU "F" requirement
Grade Level:	11-12
Prerequisite:	None
PHS:	Fine Art

Photography 1 is a class for students wishing to learn about cameras, how to take pictures and how to print their own pictures. Photographic composition, camera techniques, film exposure and use of photographic chemicals is demonstrated. Students will work extensively in the photographic darkroom and will begin to work in a digital environment with *Photoshop*. An adjustable 35mm camera is recommended.

PHOTOGRAPHY 2	Meets UC/CSU "F" requirement
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Grade Level:	11-12
Prerequisite:	Photography 1
PHS:	Fine Art

In Photography 2, students will continue to fine-tune their composition, camera and printing skills learned in Photography 1. In addition they will use a camera for communication, creative expression and fine art presentation of photographs. Imagination and creativity will be stressed. The history of photography as well as the critical evaluation of student photographs will be stressed. In Photography 3-4, advanced skills in creative printing, specialized darkroom techniques, and advanced *Photoshop* and digital printing skills are stressed. Studio photography also becomes an integral part of the curriculum. A digital camera is recommended. **Earns 3 units of college credit through Palomar College with a grade of B or better.**

PHOTOGRAPHY 3-4	Meets UC/CSU "F" requirement
Grade Level:	12
Prerequisite:	Photography 1-2
PHS:	Fine Art

Photography 3-4 emphasizes applications of photography; for example, journalism, magazine articles, offset printing (textbook), electronic schematics, portraiture. This course provides the opportunity for students to explore creative and career opportunities within many different areas. **Earns 3 units of college credit through Palomar College with a grade of B or better.**

ADVANCED PLACEMENT STUDIO ART 2-D DESIGN (Photography)	Meets UC/CSU "F" requirement
Grade Level:	12
Prerequisite:	Photography 1-2, 3-4 and Teacher Recommendation
PHS:	Fine Art

Advanced Placement Studio Art/Photography provides instruction for highly skilled, exceptional students in photography. The course assists these students in the preparation of a portfolio for the Advanced Placement program in Studio Art. Portfolio preparation involves a significant time commitment and is, therefore, intended for motivated students with advanced skills who are seriously dedicated to studying art.

ART

3D COMPUTER ANIMATION 1-2	Meets UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

3D Computer Animation 1-2 focuses on the art of 3D computer animation. Students will learn the basics of the principles of animation, design, animation software (3D Studio Max or Softimage|XSI), modeling, storyboard development, script writing, character development, and application of these skills to be successful. Students will work in a production group to create a small-animated movie. It provides students with the opportunity to self-express and communicate their own ideas through the study of character design, backgrounds, props, digital painting, special effects, scene development, storyboard development and script writing/story writing, with the application to aesthetic theories. Students will work individually and in teams to create and plan an animated short story, through story design and implementation to a hand drawn storyboard, character development, and finally computer animation. They will analysis formally and aesthetically their group and individual work. Character development will concentrate on bringing life to the character using drawings and clay model studies created by the student. Students will experience working with different mediums to create storyboards and to design their own animated scenes and short stories.

3D COMPUTER ANIMATION 3-4	
Grade Level:	10-12
Prerequisite:	3D Computer Animation 1-2
PHS:	Fine Art

3D Computer Animation 3-4 is a studio class providing students with the opportunity to self-express and communicate their own ideas through the study of 3D Computer Animation focusing on design, backgrounds, props, digital painting, special effects, scene development, storyboard development and script/story writing, by creating a feature animation, a video game, scientific visualization, historical reconstruction, and so on. Students will choose an area of focus within the computer animation field and delve into that area. They will focus in greater depth on bringing life to their character and telling their story in a better format following video techniques and principles.

3D COMPUTER ANIMATION 5-6	
Grade Level:	11-12
Prerequisite:	3D Computer Animation 3-4
PHS:	Fine Art

3D Computer Animation 5-6 is a studio class as a continuation of 3D Computer Animation 3-4 with the addition for students to receive direction from a mentor in the field or in conjunction with an internship through a local business/industry partner. The course will provide students with a valuable insight to understanding the demands that are placed upon them in the workforce. The course will continue to provide students with the opportunity to self-express and communicate their own ideas through the study of 3D Computer Animation focusing on design, backgrounds, props, digital painting, special effects, scene

development, storyboard development and script/story writing, by creating a feature animation, a video game, scientific visualization, historical reconstruction, and so on. Students will continue to focus on their area of interest within the computer animation field and delve into that area with the help of their mentor or internship.

ARCHITECTURAL DESIGN 1-2	Meets UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Architectural Design 1-2 focuses on the art of architecture. Students will study the history of architecture and design a set of architectural plans (AutoCAD / Architectural Desktop / ArchiCAD) of their dream home. Students will also create a 3D model of their house. The course includes the study and application of the elements and principles of design, the study of the history of ancient architecture from Catal Huyuk to the Ancient Baroque and its relevant vocabulary and structural devices, and an introduction to basic sketching and technical drawing skills.

ART & HISTORY OF FLORAL DESIGN 1-2	Meets UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Art and History of Floral Design 1-2 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.

CERAMICS 1-2	Meets UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS	Fine Art

Ceramics 1 and 2 are classes in which a variety of projects will be completed using the medium of clay. Students will be introduced to art theory concepts and will construct projects using the methods of pinch, coil, slab, with an introduction to the wheel. Students will develop their ability to communicate ideas via the elements and principles of art and design with an emphasis on craftsmanship.

CERAMICS 3-4	Meets UC/CSU “F” requirement
Grade Level:	10-12
Prerequisite:	Ceramics 1-2
PHS:	Fine Art

Ceramics 3 and 4 are designed for highly motivated ceramic students who have mastered basic hand building and decorative techniques. These courses will stress ceramic design, craftsmanship, and evaluation of art content at an increased level of difficulty. Studio projects will involve construction in hand-building with an option for wheel-thrown methods.

ADVANCED PLACEMENT STUDIO ART 3-D Design (Ceramics)	Meets UC/CSU “F” requirement
Grade Level:	12
Prerequisite:	Photography 1-2 and Teacher Recommendation
PHS:	Fine Art

Advanced Placement Studio Art: 3D Design provides instruction for the highly skilled exceptional students in 3D Design. The course assists these students in the preparation of a Three-Dimensional Design Portfolio. It is designed to address a very broad interpretation of sculpture issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts can be articulated through additive, subtractive, and/or fabrication processes. Portfolio preparation involves a significant time commitment and is, therefore, intended for motivated students with advanced skills who are seriously dedicated to studying art.

DIGITAL MEDIA PRODUCTION 1-2	Meets UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Students will learn to create short films (vignettes) from idea to inception. This course provides introductory and intermediate training in digital media production. This course covers the following: operation of video cameras, digital video editing equipment, digital audio editing equipment, lighting equipment, multi-track digital recorders, video recorders, compact disc & DVD recorders and rendering. Instruction includes basic development of treatments, storyboarding, script writing, and production concepts. Students will use equipment, which includes Final Cut Pro video & audio editing software. Digidesign Pro-tools, audio editing software, digital video cameras.

DIGITAL MEDIA PRODUCTION 3-4	Meets UC/CSU “F” requirement
Grade Level:	10-12
Prerequisite:	Digital Media 1-2
PHS:	Fine Art

Students will learn to create advanced short films (vignettes) from idea to inception. This course provides advanced training in digital media production. This course covers the following: operation of video cameras, digital video editing equipment, digital audio editing equipment, lighting equipment, multi-track digital recorders, video recorders, compact disc &

DVD recorders and rendering. Instruction includes basic development of treatments, storyboarding, script writing, and production concepts. Students will use equipment, which includes Final Cut Pro video & audio editing software. Digidesign Pro-tools, audio editing software, digital video cameras. Advanced students will also be trained in use of jib crane work, advanced text generation, advanced HD film work, and advanced audio engineering.

DRAWING AND PAINTING 1-2	Meets UC/CSU "F" requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Students will have an opportunity to create and evaluate a wide variety of artworks in drawing and painting media. The class will explore design elements including line, color, shape, texture, value and space. Composition and technical skills will also be covered. These classes are designed for the whole spectrum of student skill levels, from the beginning stick figure artist to the student with many years of practice.

DRAWING AND PAINTING 3-4	Meets UC/CSU "F" requirement
Grade Level:	10-12
Prerequisite:	Drawing and Painting 1-2
PHS:	Fine Art

Drawing and Painting 3 and 4 are designed for students who have both the interest and talent to further develop their drawing and painting skills. Students will produce, view, discuss, and analyze a wide variety of drawings and paintings. These classes will be conducted in a studio environment that combines communication of ideas, symbols, moods, and feelings with originality.

ADVANCED PLACEMENT STUDIO ART: DRAWING	Meets UC/CSU "F" requirement
Grade Level:	11-12
Prerequisite:	Drawing & Painting 1-2 & 3-4 and Teacher Recommendation
PHS:	Fine Art

Advanced Placement Studio Art provides instruction for the highly skilled exceptional students in drawing, painting, and three-dimensional design. The course assists these students in the preparation of a portfolio for the Advanced Placement program in Studio Art. Portfolio preparation involves a significant time commitment and is, therefore, intended for motivated students with advanced skills who are seriously dedicated to studying art.

PHOTOGRAPHY 1	Meets UC/CSU "F" requirement
Grade Level:	11-12
Prerequisite:	None
PHS:	Fine Art

Photography 1 is a class for students wishing to learn about cameras, how to take pictures and how to print their own pictures. Photographic composition, camera techniques, film exposure and use of photographic chemicals is demonstrated. Students will work

extensively in the photographic darkroom and will begin to work in a digital environment with *Photoshop*. An adjustable 35mm camera is recommended.

PHOTOGRAPHY 2	Meets UC/CSU “F” requirement
Grade Level:	11-12
Prerequisite:	Photography 1
PHS:	Fine Art

In Photography 2, students will continue to fine-tune their composition, camera and printing skills learned in Photography 1. In addition they will use a camera for communication, creative expression and fine art presentation of photographs. Imagination and creativity will be stressed. The history of photography as well as the critical evaluation of student photographs will be stressed. In Photography 3-4, advanced skills in creative printing, specialized darkroom techniques, and advanced *Photoshop* and digital printing skills are stressed. Studio photography also becomes an integral part of the curriculum. A digital camera is recommended. **Earns 3 units of college credit through Palomar College with a grade of B or better.**

PHOTOGRAPHY 3-4	Meets UC/CSU “F” requirement
Grade Level:	11-12
Prerequisite:	Photography 2
PHS:	Fine Art

Photography 3-4 emphasizes applications of photography; for example, journalism, magazine articles, offset printing (textbook), electronic schematics, portraiture. This course provides the opportunity for students to explore creative and career opportunities within many different areas. **Earns 3 units of college credit through Palomar College with a grade of B or better.**

ADVANCED PLACEMENT STUDIO ART 2-D DESIGN (Photography)	Meets UC/CSU “F” requirement
Grade Level:	12
Prerequisite:	Photography 1-2 and Teacher Recommendation
PHS:	Fine Art

Advanced Placement Studio Art/Photography provides instruction for highly skilled, exceptional students in photography. The course assists these students in the preparation of a portfolio for the Advanced Placement program in Studio Art. Portfolio preparation involves a significant time commitment and is, therefore, intended for motivated students with advanced skills who are seriously dedicated to studying art.

STUDIO ART	Meets the UC/CSU “F” requirement
Grade Level:	11-12
Prerequisite:	Drawing & Painting 1-2 & 3-4 and Teacher Recommendation
PHS:	Fine Art

Studio Art is for students who have advanced skills. They must develop their own ideas for their projects and choose the types of surfaces and materials that are appropriate. Students

must be highly motivated and be able to work independently. A minimum of 6 superior quality artworks are required for the semester. The teacher will discuss all projects with the students on an ongoing basis. This course can be repeated for credit and is offered every semester. (This is not an AP course.)



ELECTIVE CREDIT COURSES

AP COMPUTER SCIENCE A 1-2	Pending approval to meet the UC/CSU “G” requirement
Grade Level:	10-12
Prerequisite:	Previous or concurrent enrollment in Algebra 3-4
PHS:	Elective

Advanced Placement Computer Science A 1-2 places major emphasis on programming methodology, algorithms, and data structures. Applications of computing provide the context in which these subjects are treated; applications are used to develop student awareness of the need for particular algorithms and data structures, as well as to provide topics for programming assignments to which students can apply their knowledge. A particular programming language constitutes the vehicle for implementing computer-based solutions to particular problems. Treatments of computer systems and the social implications of computing are integrated into the course and not isolated as separate units

AP HUMAN GEOGRAPHY	Meets the UC/CSU “G” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

AP Human Geography introduces students to the basic concepts of human geography and provides a geographic framework for the analysis of current world problems through the use of case studies. The course develops students’ abilities to ask geographic questions; acquire, organize, and analyze geographic information; and answer geographic questions. This course will cover basic concepts of geography, population, migration, folk and popular culture, language, religion, ethnicity, political geography, development, agriculture, industry, services, and urban geography.

AP PSYCHOLOGY 1-2	Meets the UC/CSU “G” requirement
Grade Level:	11-12
Prerequisite:	None
PHS:	Elective

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental process of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

AVID 1-6	
Grade Level:	9-11
Prerequisite:	Application and Interview Required
PHS:	Elective

AVID is a program designed to aid students who have college potential by providing additional support. Students commit to completing the University of California A-G

requirements, repeating in summer school any class in which they earn a D or an F, and taking an AVID class each year. The elective class has college tutors who assist students in other classes, teaches note-taking, organization skills, time management, test-taking strategies, writing across the curriculum, and the inquiry method. Additionally, students have guest speakers and take field trips to colleges

AVID SENIOR SEMINAR 1-2	Meets the UC/CSU “G” requirement
Grade Level:	12
Prerequisite:	AVID 5-6 Recommended; Application and Interview Required
PHS:	Elective

AVID Senior Seminar is the culmination of a student’s years in the AVID program and involves substantial critical reading, writing, and oral presentation. Students will be required to complete college applications (UC & CSU), financial aid, housing applications, timed writings and analytical discourses in subjects across the curriculum. In addition, students will be required to make oral presentations on topics related to contemporary issues and social concerns.

BROADCAST JOURNALISM	Meets the UC/CSU “G” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

Broadcast Journalism/Television Production introduces students to the basic tools, techniques, and vocabulary of broadcast journalism. It provides an overview of the principles and historical and contemporary practices of broadcast journalism in society, with emphasis on methods, writing, announcing, ethics, and career opportunities. Students will practice the fundamentals of communicating using the television medium and through hands-on projects will learn to perform the basic job requirements of the camera operator, audio operator, video switcher, lighting director, floor manager, graphics operator, announcer, and director. Students will apply their knowledge as they produce regular news segments to be broadcast for the school.

COMPUTER INTEGRATED MANUFACTURING	Meets the UC/CSU “G” requirement
Grade Level:	10-12
Prerequisite:	Algebra 1-2
PHS:	Elective

Computer Integrated Manufacturing is a high school level course for 10th, 11th, or 12th grade students who are interested in manufacturing and automation. It is recommended for students who have successfully completed the Introduction to Engineering Design (IED) course or Principles of Engineering course (POE). Computer Integrated Manufacturing (CIM) is the study of manufacturing, planning, integration, and implementation of automation. The course explores manufacturing history, individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design, and reflects the integrated approach that leading manufacturers have adopted to improve safety, quality, and efficiency. Computer Integrated Manufacturing is one of the specialization courses in the Project Lead the Way high school engineering

program. The course applies and concurrently develops secondary-level knowledge and skills in mathematics, science, and technology.

ENGINEERING DESIGN AND DEVELOPMENT	Meets the UC/CSU “G” requirement
Grade Level:	10-12
Prerequisite:	Algebra 1-2
PHS:	Elective

This is the capstone course of the Engineering Pathway. Students will participate in a team where they will develop their own product and competitively show their product. This course can be combined with robotics or any other engineering competition. Students will focus on the design process.

INTRODUCTION TO DESIGN 1-2	Meets the UC/CSU “F” or “G” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

Part of the Project Lead the Way Engineering pathway curricula. The course is an in-depth, project-based course that concentrates on principles of visual design and the design process. Projects focus on design factors such as aesthetics, format, geometric shape and form, perspective drawing, scale, proportion, and presentation techniques. Students use computers as a medium/tool for the design of project components such as sketching techniques, orthographic drawing, and 3D modeling and rendering. Assignment requirements are based on color, form and aesthetics with emphasis on the stages of the design process and critical thinking. The curriculum involves details around the concept of ‘form follows function’ aspects and the effects of successful presentation. Students explore various materials and media for self-expression and learn to express opinions through class critiques and oral presentations. Class projects include toy design, abstract pattern design, architectural model building, poster and brochure design, and design of various products such as desktop organizers and amusement park rides. Design tools will include 3D modeling and other computer software. This course will serve as an introductory course in the Engineering Design pathway.

INTRODUCTION TO ENGINEERING DESIGN 1-2	Meets the UC/CSU “G” requirement
Grade Level:	9-12
Prerequisite:	Algebra 1-2
PHS:	Elective

Introduction to Engineering Design 1-2 is an in-depth, project-based course that concentrates on Industrial Design/Technology and is divided into four units: Introduction to Design, Design Solutions, Reverse Engineering, and Design Problems. Part of the Project Lead the Way Engineering pathway curricula, this course will give students the opportunity to use technology to learn about Engineering and Industrial Design.

JOURNALISM 2/ ILIAD (School Newspaper)	Meets the UC/CSU “G” requirement
Grade Level:	10-12
Prerequisite:	Teacher Recommendation
PHS:	Elective

In Journalism 2, students design and produce the school newspaper. They learn news, feature, review, editorial and sports writing styles, as well as laws related to journalists. Using a computer desktop publishing program, they design pages and finalize their work. Students also familiarize themselves with the business aspects of newspaper production by handling advertising accounts.

PLANNING AND LEADERSHIP/ASB 1-2	
Grade Level:	10-12
Prerequisite:	Peer elections and/or peer interviews; Consent of supervising A.S.B. Director
PHS:	Elective

Planning & Leadership is a course in which students are taught leadership skills, parliamentary procedure, group processes, planning, and organization. Members of the Planning & Leadership class actively participate in student activities and student government.

PRINCIPLES OF ENGINEERING 1-2	Meets the UC/CSU “G” requirement
Grade Level:	9-12
Prerequisite:	Algebra 1-2
PHS:	Elective

The Principles of Engineering 1-2 is a high school level survey course of engineering and physics topics. The course exposes students to many core concepts in physics and engineering that they will encounter in a postsecondary engineering course of study, including kinematics, energy, power, materials, structures, control systems and statistics. Part of the Project Lead the Way Engineering pathway curricula, this course provides students the opportunity to develop skills and gain an understanding of Engineering concepts through laboratory activities, projects, and problem-based learning.

TALL FLAGS – COLOR GUARD (Spring Semester)	
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

The Color Guard class provides students with the opportunity to develop musical/visual concepts, skills, and interpretations. These concepts will be used in conjunction with the marching program and the indoor tall flag instruction. Evaluation will be provided by the Southern California School Band and Orchestra Association and the California Tall Flag Association, in addition to teacher observation. This class does not meet the PUSD Physical Education graduation requirement or the CSU Fine Arts requirement.

YEARBOOK 1-2	
Grade Level:	9-12
Prerequisite:	None
PHS:	Elective

Yearbook is a course in which the basic purpose is to produce an offset yearbook. Students are assigned various tasks that require serious initiative and responsibility. Records must be kept, ads sold, pictures taken, captions written, copy prepared, and layouts designed. Once the present year's book is complete, plans are prepared for the following year's book.

ENGLISH

HIGH SCHOOL ENGLISH 1-2	Meets the UC/CSU “B” requirement
Grade Level:	9
Prerequisite:	None
PHS:	English

In High School English 1-2, students will continue to develop their thinking-in-writing by practicing a variety of writing modes including the literary analysis essay, descriptive writing and formal, academic research. Concurrently, they will acquire and use specific skills to read and respond to different genres of literature, which could include the short story, myths and legends, the novel, and assorted non-fiction, and will gradually move to more sophisticated reading and writing. By combining their reading of literature with a process approach to writing, students will not only broaden their knowledge of literary techniques, but also learn to connect their own personal experiences with the literature.

HONORS HIGH SCHOOL ENGLISH 1-2	Meets the UC/CSU “B” requirement
Grade Level:	9
Prerequisite:	Teacher Recommendation
PHS:	English

Honors High School English 1-2 is an advanced version of High School English 1-2. Students read several novels, poetry, and Shakespearean drama, as well as outside novels or nonfiction works from a required reading list. The literary analysis is introduced and practiced as well as other formatted types of writing including the documented multi-page research paper on a controversial issue. The parts of speech and types of sentences and usage are reviewed, and twenty vocabulary words are studied and tested weekly.

INTERVENTION ENGLISH 1-2	
Grade Level:	9
Prerequisite:	Teacher/Staff Recommendation; Concurrent Enrollment in English 1-2
PHS:	Elective

READ 180 is a course designed for students with standardized test scores and/or grades indicating the need for extra support in reading. This course assists students in developing upper level phonemic awareness, word study, spelling, and reading comprehension skills. The curriculum works on students’ reading comprehension by including the teaching of the following strategies: questioning, word study/vocabulary, determining importance, visualizing, predicting, connecting, summarizing, inferring, monitoring, chunking, endurance, and fluency. Other important components of the READ 180 curriculum include structures of text, test-taking skills, reading a prompt, strategies of time, organization of an essay, and understanding directions and cues. READ 180 instruction includes independent reading, modeling, shared reading, guided reading, and visual mapping.

HIGH SCHOOL ENGLISH 3-4	Meets the UC/CSU “B” requirement
Grade Level:	10-12
Prerequisite:	High School English I-2
PHS:	English

Through a thematic approach to the study of literature and written composition, students in High School English 3-4 will broaden their knowledge of literature and its cultural elements (e.g. art, music, dance, politics, etc.). They will improve their ability to understand their connection to literature, develop writing and thinking skills, master punctuation and grammar skills, and further improve listening and speaking skills. Writing modes addressed will include: reflective, interpretive, and evaluative. Also, a research-based controversial issue essay will be required.

HONORS HUMANITIES 1-2	Meets the UC/CSU “B” requirement
Grade Level:	10
Prerequisite:	Teacher Recommendation
PHS:	English

Honors Humanities 1-2 emphasizes expository expression, both written and oral. Students write in a variety of essay modes including: controversial issue, cause/effect, reflective, compare/contrast, and literary analysis. Students learn to form a thesis statement, organize support information, and develop an introduction, body and conclusion appropriate for each assignment. The course involves library research, internet investigations, outside reading, peer cooperation, and formal public speaking. Additionally, students will begin a survey of Western culture beginning with the Ancient Greeks and through and beyond the Renaissance up to the 20th Century.

ADVANCED PLACEMENT ENGLISH LANGUAGE 1-2	Meets the UC/CSU “B” requirement
Grade Level:	11
Prerequisite:	Teacher Recommendation
PHS:	English

AP English Language is a two-semester course designed to prepare students to take the AP Language Exam. Students will read, discuss, and write about fiction and non-fiction literature, from Colonial to modern times, focusing on text analysis, rhetorical strategies, and vocabulary development. They will develop a more specific understanding of how audience, speaker, style and purpose shape persuasive writing. This course also emphasizes the development of research skills and requires students to write a 15-20 page argumentative research paper on a modern American author of their choice.

AMERICAN LITERATURE 1-2	Meets the UC/CSU “B” requirement
Grade Level:	11
Prerequisite:	High School English 3-4
PHS:	English

American Literature 1-2 introduces famous American writers such as Bradford, Dickinson, Whitman, Irving, Poe, Crane, Twain, O’Henry, Hawthorne, Hemingway and Steinbeck, and the philosophical context of the literature. American Literature 2 deals with more modern American writers. Possible choices of authors to be studied include Faulkner, Hemingway,

Steinbeck, Albee, O'Neill, Williams, Salinger, Sandburg, Frost, or Fitzgerald. Students will continue to practice the essay format, advanced literary concepts and SAT vocabulary.

ADVANCED PLACEMENT ENGLISH LITERATURE 1-2	Meets the UC/CSU "B" requirement
Grade Level:	12
Prerequisite:	Teacher Recommendation
PHS:	English

Advanced Placement English 1-2 is a college-level course designed to prepare students to take the Advanced Placement English examination. The course presents examples of Western literary development from the Greeks through the twentieth century, acquainting students with various genres and themes. Emphasis will be placed on a close reading and analysis of the individual literary work. In addition, attention may be given to the historical and philosophical characteristics of the authors, literary movements, and genres. Students also will be expected to write expository, researched papers.

EXPOSITORY READING AND WRITING 1-2	Meets the UC/CSU "B" requirement
Grade Level:	12
Prerequisite:	American Literature 1-2
PHS:	English

Expository Reading and Writing prepares college-bound seniors for the literacy demands of higher education. Students in this yearlong, rhetoric-based course will become more proficient in expository, analytical and argumentative reading and writing, increasing their awareness of the rhetorical strategies employed by authors and applying those same strategies to their own writing.

WORLD LITERATURE 1-2	Meets the UC/CSU "B" requirement
Grade Level:	12
Prerequisite:	American Literature 1-2
PHS:	English

World Literature studies the literature, histories and cultures of Africa, India, the Orient, Latin America, and parts of Europe. This course is designed to educate the students so that they will be able to recognize the differences between cultures and, in so doing, the universality of the human condition. Readings include several modern titles. Compositions are geared to prepare seniors for college.

MATHEMATICS

INTEGRATED MATH 1a-1b	Meets the UC/CSU “C” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Math

Integrated Mathematics 1 uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The critical areas organized into units deepen and extend understanding of linear relationships. The Mathematical Practice Standards together with the content standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course will be submitted to UC to meet the UC “C” requirement upon approval by the Board.

GEOMETRY 1-2	Meets the UC/CSU “C” requirement
Grade Level:	9-12
Prerequisite:	Algebra 1-2
PHS:	Math

This course teaches deductive reasoning and organized thinking. Students study postulates, definitions, and theorems to use in formal proofs. Both semesters emphasize using algebraic skills to solve problems. Plane geometry and solid geometry are taught. Students also learn straightedge and compass constructions and transformations.

ENGINEERING GEOMETRY 1-2	Meets the UC/CSU “C” requirement
Grade Level:	9-12
Prerequisite:	Algebra 1-2
PHS:	Math

This course is a high school mathematics course that meets all of the standards of a traditional geometry course, with a main focus on Descriptive Geometry (two and three-dimensional geometry) and a minor emphasis in geometric proofs and trigonometry. It is based on the standards set by the State of California with a major emphasis on measurements of two- and three-dimensional figures, geometric constructions, Pythagorean applications, special right triangles, rigid motions on geometric figures, and coordinate geometry. This course is an integration of high school geometry and Project Lead the Way curriculum for Introduction to Engineering Design. The intent is to integrate more geometry and/or teach geometry as a basis for the course and use the project-based learning tools of Introduction to Engineering Design as problem solving to create a more in-depth learning experience for geometry students. The focus of the course is depth of knowledge, with less breadth than a standard geometry course. This course may be used to meet the UC/CSU “c” math requirement.

ALGEBRA 3-4	Meets the UC/CSU “C” requirement
Grade Level:	10-12
Prerequisite:	Geometry 1-2
PHS:	Math

This course is a review and extension of first year algebra. New topics include conic sections, probability, logarithms, matrices and properties of functions. It is intended for college bound students who are **not** math or science majors.

HONORS ALGEBRA 3-4	Meets the UC/CSU “C” requirement
Grade Level:	9-12
Prerequisite:	Grade of B or higher in Algebra 1-2 and Geometry 1-2
PHS:	Math

This course is a continuation of Algebra 1-2, starting with a comprehensive review. New topics include, logarithms, solving inequalities, higher degree equations, conics, matrices, trigonometry, complex numbers, probability and sequences and series.

COLLEGE ALGEBRA 1-2	Meets the UC/CSU “C” requirement
Grade Level:	11-12
Prerequisite:	Grade of B or higher in Algebra 3-4 or Honors Algebra 3-4
PHS:	Math

This course is designed for the advanced math student who is preparing to take Pre-Calculus or college mathematics. Non-algebra based topics (such as network theory and number theory) will be studied, along with some pre-calculus concepts, in order to bring diversity and interest to the curriculum. Students will leave the course prepared to take a pre-calculus, statistics, or discrete math course in either high school or college mathematics.

PRE-CALCULUS 1-2	Meets the UC/CSU “C” requirement
Grade Level:	12
Prerequisite:	Grade of C or higher in Algebra 3-4
PHS:	Math

Pre-Calculus 1-2 is designed for the advanced college-preparatory student and will provide the foundation for students to proceed into Calculus. The major content will focus on functional and graphical analysis, exponential, polynomial, rational, and logarithmic functions, and circular and trigonometric functions.

HONORS PRE-CALCULUS 1-2	Meets the UC/CSU “C” requirement
Grade Level:	11-12
Prerequisite:	Grade of C or higher in Honors Algebra 3-4, or Grade of B or higher in both Algebra 3-4 and College Algebra 1-2
PHS:	Math

This course is for advanced college prep students. It provides the foundation for students to proceed to Calculus. Reviews Trigonometry, Geometry, and Algebra. It introduces the study of polynomials including synthetic division, graphing theory, limits, and derivatives.

ADVANCED PLACEMENT STATISTICS 1-2	Meets the UC/CSU "C" requirement
Grade Level:	11-12
Prerequisite:	Completion or concurrent enrollment in Honors Algebra 3-4, Algebra 3-4 or higher
PHS:	Math

The multidisciplinary aspects and applications of statistics make it one of the most rewarding classes to take. The study blends the rigor, calculations, and deductive thinking of mathematics, the real-world examples and problems of social science, the decision-making needs of business and medicine, and the laboratory methods and experimental procedures of the natural sciences. This course is designed to prepare students to take the Advanced Placement Exam for Statistics.

ADVANCED PLACEMENT CALCULUS AB 1-2	Meets the UC/CSU "C" requirement
Grade Level:	11-12
Prerequisite:	Grade of B or better in Honors Pre-Calculus & Teacher Recommendation
PHS:	Math

This course is a college-level class for students who have completed the equivalent of 4 years of college preparatory mathematics. Students will receive little or no review. Topics include derivatives, differentials, integrations, and applications. Many problems are atypical and require students to synthesize new solutions. A graphing calculator is required. The course is designed to prepare students to take the Advanced Placement Exam for Calculus AB.

ADVANCED PLACEMENT CALCULUS BC 1-2	Meets the UC/CSU "C" requirement
Grade Level:	12
Prerequisite:	Grade of B or better in Calculus AB 1-2 & Teacher Recommendation
PHS:	Math

This course is for students who have completed four years of college preparatory math including Calculus AB. New topics covered include parametric equations, vector functions, indeterminate forms of limits, polar curves, advanced integration techniques, infinite series, and Taylor polynomials. This course prepares the student to take the Advanced Placement Exam for Calculus BC.

MUSIC AND DRAMA

ADVANCED PLACEMENT MUSIC THEORY 1-2	Pending approval to meet the UC/CSU “F” requirement
Grade Level:	10-12
Prerequisite:	Teacher Recommendation
PHS:	Fine Art

Advanced Placement Music Theory is a course designed for the study of Musical Structure. The ultimate goal is to develop a student's ability to recognize and understand the basic materials and processes of music that is heard or read in the score. The course will provide a solid foundation in intervals, scales, metric/rhythmic patterns, and the terms used to describe these elements of music. This course will serve to prepare the student for the Advanced Placement Music Theory exam. This course has been approved to meet the PUSD Fine Arts requirement.

BEGINNING CHOIR 1-2	Meets the UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Beginning Choir I teach students how to sing and how to read music. It is an opportunity to develop musical skills and to broaden the musical experience through rehearsal and performance. This is a performance class and students participate in all concerts and a spring festival. The makeup of this class could be mixed voices, women only or men only. Beginning Choir 2 is an extension of Beginning Choir 1 and includes further exploration of music theory and vocal techniques.

CLASSICAL VOCAL ENSEMBLE (Die Lieder Singers)	Meets the UC/CSU “F” requirement
Grade Level:	10-12
Prerequisite:	Audition and Teacher Recommendation
PHS:	Fine Art

Classical Vocal Ensemble is a course for advanced choral musicians. Advanced choral and vocal technique will be taught in a small choir setting of 20-26 students. Classical and traditional repertoire will be studied and performed. This is a performance class, and students are expected to participate in all choral activities. Outside time is required. Activities will include school and community performances. The Classical Vocal Ensemble will represent the school at district and state levels in adjudicated festivals.

CONCERT CHOIR 1-2 (Advanced Mixed)	Meets the UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	Audition and Teacher Recommendation
PHS:	Fine Art

Concert Choir is the third choir in the sequence of the choral program, following Beg. I and Beg. II. It is a large choir consisting of mixed voices (men and women) or men only or women only. Audition is necessary, and knowledge of music theory is absolutely necessary.

Students will continue to develop as choral musicians and learn the skills necessary to audition for either Women’s Ensemble or Classical Vocal Ensemble. This choir will participate in all concerts and festivals.

WOMEN’S ENSEMBLE	Meets the UC/CSU “F” requirement
Grade Level:	10-12
Prerequisite:	Audition and Teacher Recommendation
PHS:	Fine Art

Women’s Ensemble is a course for advanced choral musicians through audition only. Advanced choral and vocal technique will be taught. Classical and traditional repertoire specifically written for women’s voices will be studied and performed. This is a performance class and students are expected to participate in all choral activities. Outside time is required. Activities will include school and community performances. The Women’s Ensemble will represent the school at district and state levels in adjudicated festivals.

CONCERT BAND 1-2	Meets the UC/CSU “F” requirement
Grade Level:	10-12
Prerequisite:	Previous band experience
PHS:	Fine Art

Concert Band is designed for instrumental musicians. This is a performance class, and students are expected to participate in all band activities. Activities will include concerts for the band as well as solo and ensemble festivals. This band represents the school at District and state levels in concert festivals. All students are required to be enrolled in Marching Physical Education first semester.

FRESHMAN BAND	Meets the UC/CSU “F” requirement
Grade Level:	9
Prerequisite:	Basic knowledge of instrument
PHS:	Fine Art

Freshman Band offers the student of instrumental music an opportunity to further develop musical skills and to broaden the musical experience through rehearsal and performance. All students are required to be enrolled in Marching Physical Education first semester.

INSTRUMENTAL ENSEMBLE	Meets the UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Instrumental Ensemble is a course for all levels of instrumental musicians. In the Fall Semester, the class is designed for marching band percussion students only. There are outside rehearsals coordinated with the fall session for percussion students. In the spring semester, small ensembles are encouraged, although solos may be prepared for the solo and ensemble festival held at two different locations in the county. The students may be required to participate in the solo and ensemble festival.

MARCHING PHYSICAL EDUCATION	
Grade Level:	9-12 (Fall Semester)
Prerequisite:	Concurrent enrollment in Band/Tall Flags
PHS:	Elective

Marching Physical Education is designed to develop a well-coordinated and precise marching unit. Students will learn to prepare and execute marching, dance, and drill routines. All band members are required to take this course. NOTE: A total of fifteen credits in Marching Physical Education may be applied toward the Physical Education requirement.

ORCHESTRA (STRING ENSEMBLE) 1-2	
Meets the UC/CSU "F" requirement	
Grade Level:	9-12
Prerequisite:	Previous experience playing an orchestral string instrument
PHS:	Fine Art

Orchestra is designed for the stringed-instrument student who desires to play in a performing organization based upon orchestral instruments. The group will play a variety of string orchestra music and will perform at school concerts and at festivals.

TALL FLAGS - COLOR GUARD	
Grade Level:	9-12 (Spring Semester)
Prerequisite:	None
PHS:	Elective

The Color Guard class provides students with the opportunity to develop musical/visual concepts, skills, and interpretations. These concepts will be used in conjunction with the marching program and the indoor tall flag instruction. Evaluation will be provided by the Southern California School Band and Orchestra Association and the California Tall Flag Association, in addition to teacher observation. This class does not meet the PUSD Physical Education graduation requirement or the CSU Fine Arts requirement.

WIND ENSEMBLE 1-2	
Meets the UC/CSU "F" requirement	
Grade Level:	10-12
Prerequisite:	Concert Band
PHS:	Fine Art

Wind Ensemble is a course for advanced instrumental musicians. This is a performance class, and students are expected to participate in all band activities. Some outside time is necessary. Activities will include concerts for the band and various festivals. The Wind Ensemble will represent the school at district and state levels in concert evaluations.

DRAMA 1	
Meets the UC/CSU "F" requirement	
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Drama 1 is a survey course which includes many facets of dramatic activity. Included are basic story telling, voice and diction, reader's theater, pantomime, and improvisational

exercises. The students will be requested to visit at least one selected rehearsal or performance of a school play each quarter.

DRAMA 2	Meets the UC/CSU “F” requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art

Drama 2 is a course in which students do creative exercises to illustrate characters and situations, as well as improvisational exercises. It is a beginning study of theater with in-depth looks at structure of theater and plays and more improvisations and pantomimes. Students will visit movies and plays and be able to write a critique of them. At least one basic scene and/or series of pantomimes must be presented. Also included is a study of the function of the playwright, the actor, the director, and the technicians. In addition, the students will study the written scripts of four genres: melodrama, comedy, farce, and modern drama.

DRAMA 3	Meets the UC/CSU “F” requirement
Grade Level:	10-12
Prerequisite:	Drama 2 or Teacher Recommendation
PHS:	Fine Art

Drama 3 is a course in play production. These courses include a detailed study of how plays are produced and directed. Included in the course is a study of the history of the theater and changes in writing and acting styles. Students are expected to perform scenes from classical literature after studying the influences of the various periods. In addition students are expected to perform in scenes from modern British and American dramatic literature, as well as to research a selected topic. Students will demonstrate an increased attention to detail and are expected to select a semester project and carry it to culmination. Students are also expected to participate in our PHS Fall or Spring production.

DRAMA 4	Meets the UC/CSU “F” requirement
Grade Level:	10-12
Prerequisite:	Drama 3 or Teacher Recommendation
PHS:	Fine Art

Drama 4 is a course in play production. The course includes a detailed study of how plays are produced, cast, and directed. Students will act in scenes for other directors. A continuing study is made of theater history and additional styles and terminology. Students will begin to learn principles of directing and technical theater as well as produce a memorized semester project. This is a performance class. Students should participate in our Fall or Spring production. Drama may be used to meet the PHS fine arts requirement but not the PHS English requirement.

DRAMA 5	Meets the UC/CSU "F" requirement
Grade Level:	11-12
Prerequisite:	Drama 4 or Teacher Recommendation
PHS:	Fine Art

Drama 5 continues the application of the play direction techniques introduced in Drama 4. Students are expected to select a semester project and to carry it to culmination. Drama 5 is a course in which students do creative exercises to illustrate characters and situations, as well as improvisational exercises. It is a beginning study of theater with in-depth looks at structure of theater and plays and more improvisations and pantomimes. Students will visit movies and plays and be able to write a critique of them. At least one basic scene and/or series of pantomimes must be presented. Also included is a study of the function of the playwright, the actor, the director, and the technicians. In addition, the students will study the written scripts of four genres: melodrama, comedy, farce, and modern drama.

DRAMA 6	Meets the UC/CSU "F" requirement
Grade Level:	11-12
Prerequisite:	Drama 5 or Teacher Recommendation
PHS:	Fine Art

Drama 6 is a course in which students explore advanced methods and techniques of acting, interpretation, and direction. Students are expected to participate in classroom scenes. Students are expected to research an individually selected topic. Costuming and makeup are also to be covered in this course. This is essentially a director's laboratory/workshop and a performance class with scenes and projects. This course may strengthen students' expository writing skills. Emphasis will be placed on the multi-paragraph essay and on research, analysis, and writing about non-fiction. Developing advanced vocabulary skills will also be stressed.

TECHNICAL PRODUCTION FOR THEATER 1-2	Meets the UC/CSU "F" requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Fine Art and Elective

Technical Production for the Theater 1-2 is a course which covers the basics of set design and construction, lighting, costuming, sound, makeup, and stage management. Specifically, students will be expected to design, construct, and paint flats, to plan and draw a lighting plot for a play, to operate a lighting board, and to choose costume designs and colors for characters in a play. In addition, students will be expected to operate the equipment used in sound effects and musical background for a play, to plan and apply makeup for play characters, and to act as stage manager. This course does not apply to the English graduation requirements.

THEATRE ARTS STUDY AND PERFORMANCE 7-8	Meets the UC/CSU "F" or "G" requirement
Grade Level:	10-12
Prerequisite:	Teacher Recommendation
PHS:	Fine Art

This course is intended for those students who are ready to make an in depth commitment to the study and performance of theatre. Students will continue to hone and expand their skills in performance, design, stagecraft and theatre management through the process of selecting and producing plays from a variety of theatre genres for public performance. This course has been approved to meet the UC "f" or "g" requirement.

PHYSICAL EDUCATION AND HEALTH

ADVANCED BASEBALL/ WEIGHT TRAINING	
Grade Level:	10-12
Prerequisite:	Teacher Recommendation
PHS:	Physical Education

Baseball is a course designed to teach students advanced techniques of baseball, to include hitting, pitching, fielding and strategy that are at an interscholastic level of play. Weight training, plyometrics, conditioning, and flexibility will all be involved.

ADVANCED BASKETBALL (Fall)/ WEIGHT TRAINING	
Grade Level:	10-12
Prerequisite:	Teacher Recommendation
PHS:	Physical Education

Advanced Basketball is a course designed to emphasize skills and techniques that are at an interscholastic level of play. Weight training, plyometrics, conditioning, and flexibility will all be involved in this course selection.

ADVANCED FOOTBALL/ WEIGHT TRAINING	
Grade Level:	10-12
Prerequisite:	Teacher Recommendation
PHS:	Physical Education

Advanced Football is designed to further the development of fundamental football skills. The following activities will be included: advanced weight training, plyometrics, advanced football strategies, plays and rules of the game. Physical fitness is stressed with testing in weight training, running, push-ups, sit-ups, and agility.

ADVANCED SOFTBALL	
Grade Level:	10-12
Prerequisite:	Teacher Recommendation
PHS:	Physical Education

ADVANCED WRESTLING/ WEIGHT TRAINING	
Grade Level:	10-12
Prerequisite:	Teacher Recommendation
PHS:	Physical Education

Advanced Wrestling/ Weight Training is designed to further a beginning wrestler's skill level and physical strength to a much higher level. Major emphasis will be placed on the various techniques used in wrestling, as well as a higher degree of intensity when weight training. More intensive running will be included involving a higher degree of aerobic and anaerobic fitness.

AEROBIC DANCING	
Grade Level:	10-12
Prerequisite:	None
PHS:	Physical Education

Aerobic Dancing is a course in which students are taught basic dance movements, rhythmic fundamentals, and breathing methods. Objectives of the course include developing and improving cardiovascular fitness through dance, developing flexibility, and relating the fundamentals of music to body movement and dance.

AEROBICS / WEIGHT TRAINING	
Grade Level:	10-12
Prerequisite:	None
PHS:	Physical Education

Aerobics/Weight Training is a course in which students are taught basic dance movements, rhythmic fundamentals, breathing methods while involved in the isotonic type of weight training. Exercises which students perform on the universal weight machine include bench press, military press, upright rowing, lat pull, leg press, bar dips, and leg extension. Free weight exercises include bench press, toe raises, curls, military press, and back squats. Objectives of the course also include developing and improving cardiovascular fitness through dance, developing flexibility, and relating the fundamentals of music to body movement and dance.

BEGINNING BASKETBALL	
Grade Level:	10-12
Prerequisite:	None
PHS:	Physical Education

Beginning Basketball is a course designed to improve elementary skills, fundamentals and techniques. Students who successfully complete this class should be able to compete at an intermediate level of play. Students will participate in fitness activities, testing, and a variety of fun game activities.

FIELD SPORTS 1-2	
Grade Level:	10-12
Prerequisite:	None
PHS:	Physical Education

Students will understand, participate, and teach the advanced principles of training and competition for Field Sports that include football, soccer, and speedball. Areas of study will include understanding and execution of advanced offensive and defensive strategies, development of appropriate training practices, application of dynamic scientific principles, sports psychology, optimal nutritional habits, application and modification of rules of the game, officiating, tournament facilitation, and coaching.

FRESHMAN PHYSICAL EDUCATION 1-2	
Grade Level:	9
Prerequisite:	None
PHS:	Physical Education

Freshman P.E. is designed for freshman students to introduce them to physical education at the high school level. Students are required to take two semesters of freshmen PE and will rotate through 3 six-week groups each semester. During the freshman year the students will be exposed to different activities, which include the following: weight training, basketball, wrestling, racquetball, swimming, softball, soccer, track & field. Students will also participate in fitness activities, testing, and a variety of fun game activities.

HEALTH SCIENCE	
Grade Level:	9-12
Prerequisite:	None
PHS:	Health

Health Science presents a thorough study of modern people, major mental and physical health problems, and means for their control and/or prevention. Topics include infectious and chronic diseases, CPR/First aid, sex education, nutrition/fitness, mental health, and substance abuse. Students will also receive instruction in developing good study skills.

MARCHING PHYSICAL EDUCATION	
Grade Level:	9-12 (Fall Semester)
Prerequisite:	Concurrent enrollment in Band/Tall Flags
PHS:	Elective

Marching Physical Education is designed to develop a well-coordinated and precise marching unit. Students will learn to prepare and execute marching, dance, and drill routines. All band members are required to take this course. NOTE: A total of fifteen credits in Marching Physical Education may be applied toward the Physical Education requirement.

OFF CAMPUS INDEPENDENT STUDY/P.E.	
Grade Level:	9-12
Prerequisite:	District Approval: Admission to the program is granted after an extensive written application process during the semester <u>prior to enrollment</u> . Admission and other program deadlines must be adhered to.
PHS:	Physical Education

O.C.I.S./Physical Education is available to students who are participating in an approved preparation program for national amateur competition in swimming, ice skating, gymnastics, tennis or dance. Students must be practicing at least 15 hours per week under the direct supervision of a certified coach and must be participating in regional, state, or national competition during the semester of enrollment. Hours of participation in Poway High School's athletic program cannot be used toward the O.C.I.S. PE program.

RACQUET SPORTS	
Grade Level:	10-12
Prerequisite:	None
PHS:	Physical Education

Students will understand, participate, and teach the advanced principles of training and competition for Racquet Sports that include tennis, racquetball, and badminton. Areas of study will include understanding and execution of advanced offensive and defensive strategies, development of appropriate training practices, application of dynamic scientific principles, sports psychology, optimal nutritional habits, application and modification of rules of the game, officiating, tournament facilitation, and coaching.

SOCCER	
Grade Level:	10-12
Prerequisite:	None
PHS:	Physical Education

Soccer is a course in which students are taught and practice a wide variety of soccer skills including trapping, kicking, passing, heading, dribbling, and goal keeping. Students are also taught game rules and game strategy. Students will participate in fitness activities, testing, and a variety of fun game activities.

WEIGHT TRAINING	
Grade Level:	10-12
Prerequisite:	None
PHS:	Physical Education

Weight Training is a course in which students are involved in the isotonic type of weight training, running, plyometrics, stretching, and cross training. The isotonic weight lifting will be performed both on the universal weight machine and free weights. Students will participate in fitness activities, testing, and a variety of fun activities.

SCIENCE

ADVANCED PLACEMENT BIOLOGY 3-4	Meets the UC/CSU "D" requirement
Grade Level:	11-12
Prerequisite:	Grade of B or better in Biology, C or better in Chemistry or B or better in Geoscience
PHS	Life Science

Advanced Placement Biology 3-4 is planned to meet the objectives of a general biology course on the college level. Topics covered include the chemical basis of biology, cells, their specialization and reproduction, energy transformation, heredity and genetics, the origin of life, the structure and function in higher plants and in animals, behavior and its basis in heredity and biochemistry, evolution, and ecology.

ADVANCED PLACEMENT CHEMISTRY 3-4	Meets the UC/CSU "D" requirement
Grade Level:	11-12
Prerequisite:	Grade of B or better in Chemistry 1-2, and Honors Algebra 3-4, and concurrent enrollment in Pre-Calculus
PHS:	Physical Science

The course is a rigorous investigation of the principles of chemistry. Emphasis is placed on qualitative and quantitative understanding of thermodynamics, stoichiometry, kinetics and equilibrium. The laboratory component stresses a hands-on approach using contemporary scientific equipment. The curriculum parallels general chemistry courses at university level.

ADVANCED PLACEMENT PHYSICS C: MECHANICS	Meets the UC/CSU "D" requirement
Grade Level:	11-12
Prerequisite:	Concurrent enrollment in Honors Pre-Calculus or AP Calculus 1-2
PHS:	Physical Science

Advanced Placement Physics C 1A-1B course forms the first part of the college sequence that serves as the foundation in physics for college physics students. The topic of mechanics will be the emphasis of the course; however, other related topics may be covered. Strong emphasis is placed on laboratory experience and problem solving.

BIOLOGY 1-2	Meets the UC/CSU "D" requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Life Science

Biology 1-2 is a study of living things, starting with the cell and one-celled organisms through representatives of the animal and plant kingdoms. With the aid of laboratory exercises, students will learn how organisms perform all life functions and how they interrelate.

BIOLOGY AND SUSTAINABLE AGRICULTURE	Meets the UC/CSU "D" requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Life Science

This one year course, organized into four major units integrates biological science practices and knowledge into the practice of sustainable agriculture. Within each unit of study, specific life science principles integrate with agricultural principles, as students gain knowledge of how the two disciplines inform each other, culminating in the development of a sustainable farm model and portfolio of supporting student research. This course will replace the Agricultural Biology course (000705-000706) and will meet the PUSD Life Science requirement for high school graduation.

CHEMISTRY 1-2	Meets the UC/CSU "D" requirement
Grade Level:	10-12
Prerequisite:	Grade of A or B in Biology & Algebra 3-4 strongly recommended or concurrent enrollment in Geometry (with Biology teacher and counselor approval)
PHS:	Physical Science

Chemistry 1-2 is a rigorous, in-depth introduction to the fundamental principles, concepts, and techniques of chemistry, using a problem-solving approach. It is designed for college-bound students who have completed a year of college prep science and mathematics.

GEOSCIENCE 1-2	Meets the UC/CSU "G" requirement
Grade Level:	10-12
Prerequisite:	Biology 1-2
PHS:	Physical Science

Geoscience 1-2 is a one-year college preparatory lab course that explores the characteristics, formation, and processes that occur on and within the Earth, the atmosphere, and our universe. Course topics utilize core concepts of chemistry and physics as listed within the PUSD physical science essential learning. There is a strong emphasis on algebra-based qualitative and quantitative laboratory activities, which include internet-based research and study. This course is designed to emphasize skills necessary for success in Chemistry 1-2 and AP Environmental Science.

HONORS BIOLOGY 1-2	Meets the UC/CSU "D" requirement
Grade Level:	9-12
Prerequisite:	None
PHS:	Life Science

Honors Biology 1-2 is a rigorous, accelerated laboratory science course which focuses on investigating major biological concepts. In addition, emphasis will be placed on the study of chemistry, physics, and statistical analysis as applied to biological systems, genetics, evolution, ecology, and physiological processes in organisms. The course is open to college-preparatory students who have demonstrated exceptional ability in science.

HUMAN BIOLOGY 1-2	Meets the UC/CSU "D" requirement
Grade Level:	11-12
Prerequisites:	Grade of C or better in Biology and Chemistry
PHS:	Life Science

Human Biology provides an introduction to physiology and anatomy of the human body. Major organ systems that will be investigated include nervous, immune, digestive, endocrine, etc. Contemporary scientific issues affecting biology will be integrated into course curriculum. Topics may include DNA's role in behavior, the ethics of cloning and fetal tissue research, cancer and other diseases. This course is designed to support students interested in health-related careers.

PHYSICS 1-2	Meets the UC/CSU "D" requirement
Grade Level:	11-12
Prerequisite:	Concurrent enrollment in Algebra 3-4 or above
PHS:	Physical Science

Physics 1-2 is an algebra based college preparatory course covering fundamental principles of matter and energy. The primary unit topics include mechanics, sound and light waves, electricity, magnetism and thermodynamics. Emphasis is placed on quantitative analysis of data collected in laboratory exercises, and applied problem solving. Students will be required to complete quarterly field exercises dealing with the application of academic concepts to the real world. A working knowledge of basic algebra, geometry, and trigonometry is strongly recommended.

ZOOLOGY 1-2	Meets the UC/CSU "D" requirement
Grade Level:	10-12
Prerequisite:	Grade of C or better in Biology
PHS:	Life Science

Zoology 1-2 is a more in-depth study of the animal kingdom than is possible in Biology 1-2. Each of ten major animal groups (phyla) will be studied starting with sponges and ending with mammals. Many aspects of their anatomy, physiology, and natural history will be covered in lecture and weekly laboratories. Field work emphasizing their ecology will be done whenever possible.

SOCIAL SCIENCE

ADVANCED PLACEMENT EUROPEAN HISTORY	Meets the UC/CSU “A” requirement
Grade Level:	10
Prerequisite:	Grade of B or higher in H.S. English 1-2 or Teacher Recommendation
PHS:	World History

European History 1-2 (Advanced Placement) is a two-semester course addressing the economic, political, and cultural forces in Western civilization from the mid-Fifteenth (Renaissance) to the Twentieth Century. This is considered a college level course. The rigorous course material is approached thematically. This course meets the World History requirement for high school graduation. Students taking this course may take the Advanced Placement exam in European History.

ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS 1-2	Meets the UC/CSU “A” requirement
Grade Level:	12
Prerequisite:	Grade of B or higher in U.S. History or AP U.S. History or Teacher Recommendation
PHS:	Civics/Econ

U.S. Government & Economics (Advanced Placement) is designed to give students a critical perspective on government, politics, and economics in the United States. The class involves both the study of general concepts used to interpret American governmental, political, and economic systems and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. This course is intended to prepare students who wish to take the Advanced Placement Examination in U.S. Government and Politics.

ADVANCED PLACEMENT U.S. HISTORY 1-2	Meets the UC/CSU “A” requirement
Grade Level:	11
Prerequisite:	Grade of B or better in H.S. English 3-4 or Grade of B or better in World History 1-2 or AP European Civilization or Teacher Recommendation
PHS:	US History

U.S. History (Advanced Placement) 1-2 is an advanced course taught at the college level. It is designed for students who wish to take the Advanced Placement Examination, administered by Educational Testing Service, in the spring. Those passing the A.P. exam at a high level usually can receive college credit and a waiver of the college U.S. History requirement. The course emphasizes extensive reading, research and problem solving, writing, historiography, and historical knowledge.

CIVICS	Meets the UC/CSU “A” requirement
Grade Level:	12
Prerequisite:	None
PHS:	Civics

Civics surveys the origins of our federal, state and local governments and studies their structure, function, theory and process. It promotes citizenship skill building by serving the community in an “outside project” and prepares students for the political and social arenas of the future. This is a practical course applying knowledge toward voting, jury duty and rights and privileges of community participation. Must be taken in 12th grade only.

ECONOMICS	Meets the UC/CSU “G” requirement
Grade Level:	12
Prerequisite:	None
PHS:	Economics

Economics is a course in which students will deepen their understanding of the economic problems and institutions of the nation and world in which they live. They will learn to make reasoned decisions on economic issues as citizens, workers, consumers, business owners and managers. Primarily a course in social science, economics enriches students' understanding of the operations and institutions of economic systems, rather than a course in household or business management or budgeting. The course will deal with the following areas: 1) fundamental concept (e.g., scarcity); 2) comparative economic systems (Capitalism, Communism, Socialism, etc.); 3) macroeconomics (supply and demand, forms of competition, monetary policy, etc.) 4) international economic concepts (e.g., comparative and absolute advantage, international trade, etc.).

WORLD HISTORY 1-2	Meets the UC/CSU “A” requirement
Grade Level:	10
Prerequisite:	None
PHS:	World History

Students in World History study major turning points that shaped the modern world, from the late eighteenth century through the present, including the cause and course of both World Wars and the Cold War period. Students also develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and culture (art, music, literature) contents. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives. The standards for the year-long course are taught and learned through eight major themes sequenced chronologically. Competency-based educational objectives will be in compliance with California State Model Curriculum Standards.

U.S. HISTORY 1-2	Meets the UC/CSU “A” requirement
Grade Level:	11
Prerequisite:	None
PHS:	US History

U.S. History 1-2 is a two-semester course in which students examine the economic, social, and political development of the United States, concentrating primarily on the twentieth century. During the year certain themes will be emphasized: the expanding role of the federal government and federal courts; the continuing tension between the individual and the state; the emergence of a modern corporate economy; the impact of technology on American society and culture; change in the ethnic composition of American society; the movements toward equal rights for racial minorities and women; and the role of the United States as a major world power. Throughout the course students will explore American culture, literature, the arts, and the mass media. Students will demonstrate competency in questioning, critical thinking, research, and writing as it applies to the discipline of history. Competency-based educational objectives will be in compliance with California State Model Curriculum Standards.

WORLD LANGUAGE

FRENCH 1-2	Meets the UC/CSU "E" requirement
Grade Level:	9-12
Prerequisite:	Strong basic skills
PHS:	Foreign Language

French 1-2 is a beginning course that develops the four communication skills of listening, speaking, reading, and writing with basic vocabulary, grammar, and idiomatic expressions. Individual and group oral and written exercises provide practice to develop these skills.

FRENCH 3-4	Meets the UC/CSU "E" requirement
Grade Level:	9-12
Prerequisite:	French 1-2
PHS:	Foreign Language

French 3-4 is an intermediate course designed to further develop the four communication skills of listening, speaking, reading, and writing with an increased vocabulary, more complicated grammatical structures, and idiomatic expressions.

FRENCH 5-6	Meets the UC/CSU "E" requirement
Grade Level:	10-12
Prerequisite:	French 3-4
PHS:	Foreign Language

French 5-6 prepares the student for more advanced work in French structure, communication, and competency. Reading and writing practice is more extensive. The creative ability to use the language orally and in writing is stressed.

ADVANCED PLACEMENT FRENCH 7-8	Meets the UC/CSU "E" requirement
Grade Level:	11-12
Prerequisite:	Grade of B or better in French 5-6 & Teacher Recommendation
PHS:	Foreign Language

This course prepares the student for college level work and the Advanced Placement Exam. Extensive reading, writing, speaking and listening increase the student's mastery of the language and preparation for the AP Exam.

GERMAN 1-2	Meets the UC/CSU "E" requirement
Grade Level:	9-12
Prerequisite:	Strong basic skills
PHS:	Foreign Language

German 1-2 is a beginning class that teaches basic understanding, speaking, and writing in German. Daily life and culture are also studied.

GERMAN 3-4	Meets the UC/CSU "E" requirement
Grade Level:	10-12
Prerequisite:	Strong basic skills Grade of C or better in German 1-2
PHS:	Foreign Language

German 3-4 builds on what has been learned in German 1-2. It introduces more advanced patterns, requires more speaking, and enables the student to read and understand written texts.

GERMAN 5-6	Meets the UC/CSU "E" requirement
Grade Level:	10-12
Prerequisite:	Strong basic skills Grade of C or better in German 3-4
PHS:	Foreign Language

German 5-6 covers the basic language structures of German. It refines pronunciation and increases listening and speaking skills. Reading unsimplified texts is a major part of the course.

ADVANCED PLACEMENT GERMAN 7-8	Meets the UC/CSU "E" requirement
Grade Level:	11-12
Prerequisite:	Strong basic skills Grade of B or better in German 5-6
PHS:	Foreign Language

German 7-8 prepares the student for the AP exam. This course is a review of German language patterns. It includes intensive writing, speaking, and listening exercises. In addition, current social, economic and lifestyle trends are investigated using newspapers, books, films, computers and native speakers. Students should be highly motivated and be able to work independently. Most universities award course credits for a grade of 3 or better on the AP exam.

SPANISH 1-2	Meets the UC/CSU "E" requirement
Grade Level:	9-12
Prerequisite:	Strong basic skills, strong study skills
PHS:	Foreign Language

Spanish 1-2 is a beginning course that develops the four communication skills of listening, speaking, reading, and writing with basic vocabulary, grammar, and idiomatic expressions. Oral and written exercises, both individually and in groups, provide practice to develop these skills.

SPANISH 3-4	Meets the UC/CSU "E" requirement
Grade Level:	9-12
Prerequisite:	Grade of C or better in Spanish 1-2
PHS:	Foreign Language

Spanish 3-4 is designed to further develop the four communication skills of listening, speaking, reading, and writing with basic vocabulary, grammar, and idiomatic expressions. Students will increase their vocabulary and ability to use it in progressively more

complicated structures, reinforcing their ability to use previously learned material. Individual and group oral and written exercises help increase the creative ability to use the language.

HONORS SPANISH 3-4	Meets the UC/CSU "E" requirement
Grade Level:	10-12
Prerequisite:	Grade of B+ or better in Spanish 1-2 and Teacher Recommendation
PHS:	Foreign Language

This course is designed to further develop the four communication skills of listening, speaking, reading, and writing with basic vocabulary, grammar, and idiomatic expressions. Students will increase their vocabulary and ability to use it in progressively more complicated structures, reinforcing their ability to use previously learned material. Oral and written exercises, both individually and in groups, provide practice to develop these skills. This course will provide more in-depth study, activities and opportunities for creative use of the language. Students are exposed to various aspects of Hispanic history and culture.

SPANISH 5-6	Meets the UC/CSU "E" requirement
Grade Level:	10-12
Prerequisite:	Grade of C+ or better in Spanish 3-4
PHS:	Foreign Language

Spanish 5-6 prepares the student for the more advanced structures and communication activities required at the college level. Reading and writing practice is more extensive. The creative ability to use the language orally and in writing is stressed.

HONORS SPANISH 5-6	Meets the UC/CSU "E" requirement
Grade Level:	10-12
Prerequisite:	Grade of B+ or better in Honors Spanish 3-4 Teacher Recommendation
PHS:	Foreign Language

This course prepares the student for the more advanced structures and communication activities required at the college level. The four communication skills of listening, speaking, reading, and writing with basic vocabulary, grammar, and idiomatic expressions are practiced more extensively. Students will increase their vocabulary and ability to use it in progressively more complicated structures, reinforcing their ability to use previously learned material. Oral and written exercises, both individually and in groups, provide practice to develop these skills. This course will provide more in-depth study, activities and opportunities of creative use of language. Students are exposed to various aspects of Hispanic history and culture. This course prepares students for the AP Language course.

SPANISH 7-8	Meets the UC/CSU "E" requirement
Grade Level:	10-12
Prerequisite:	Grade of C+ or better in Spanish 5-6
PHS:	Foreign Language

Spanish 7-8 continues to expand the creative ability to use the language orally and in writing. Emphasis is on improving competency in listening, speaking, reading, and writing. Listening comprehension exercises and tests focus on unrestricted language, that is,

language not tailored specifically to the textbook. Particularly in Spanish 7, new conventions to be learned focus on compound tenses (e.g. I have gone, I had gone, I will have gone), Conditional and Conditional Perfect (I would go, I would have gone), and new Subjunctive forms to include Present Perfect, Imperfect, and Past Perfect. Readings will be from textbook and outside readings consisting of selected short stories in Spanish. Students are expected to use the language in all classroom activities, including general discussions and discussions of readings. This class is **NOT** for those students uncomfortable with the exclusive use of the language.

ADVANCED PLACEMENT SPANISH LANGUAGE 1-2	Meets the UC/CSU "E" requirement
Grade Level:	11-12
Prerequisite:	Grade of B or better in Spanish 5-6 Honors or Spanish 7-8 Teacher Recommendation and/or Testing
PHS:	Foreign Language

Advanced Placement Spanish Language refines the skills required for advanced work equivalent to a third year college level course and for the AP Language examination. Extensive reading, writing, and speaking practice increases the competency level to that required on the AP examination. Selected literary works are analyzed.

ADVANCED PLACEMENT SPANISH LITERATURE 1-2	Meets the UC/CSU "E" requirement
Grade Level:	11-12
Prerequisite:	Grade of B or better in AP Spanish Language or Spanish 7-8 Teacher Recommendation and/or Testing
PHS:	Foreign Language

Advanced Placement Spanish Literature is a college-level advanced Spanish course designed to prepare students to take the Advanced Placement Spanish Literature examination. The course presents examples of literary development from the Hispanic world, acquainting students with various genres, themes, and styles of authors designated by the College Board. Emphasis will be placed on the reading of individual literary works. In addition, the four skills of language will be emphasized: listening, speaking, reading, and writing. Students will be expected to discuss the literature, interpret themes, and make comparative analyses of the literature in writing. The main elements of literature will be included in this course.

3D Computer Animation 1-2	4, 9	Automotive Technology 3-4	6
3D Computer Animation 3-4	4, 9	AVID 1-6	16
3D Computer Animation 5-6	4, 9	AVID Senior Seminar 1-2	17
Advanced Baseball/Weight Training	33	Beginning Basketball	34
Advanced Basketball-Fall/Weight Training	33	Beginning Choir 1-2	27
Advanced Football/Weight Training	33	Biology 1-2	38
Advanced Placement Biology 3-4	37	Broadcast Journalism	17
Advanced Placement Calculus AB 1-2	26	Biology and Sustainable Agriculture	3, 38
Advanced Placement Calculus BC 1-2	26	Ceramics 1-2	10
Advanced Placement Chemistry 3-4	37	Ceramics 3-4	11
Advanced Placement Computer Science A	16	Chemistry 1-2	38
Advanced Placement English Language 1-2	22	Civics	41
Advanced Placement English Literature	23	Civil Engineering and Architecture (CEA) 1-2	5
Advanced Placement European History	40	Classical Vocal Ensemble	27
Advanced Placement French 7-8	43	College Algebra 1-2	25
Advanced Placement German 7-8	44	Computer Integrated Manufacturing	17
Advanced Placement Human Geography	16	Concert Band 1-2	28
Advanced Placement Music Theory 1-2	27	Concert Choir 1-2	27
Advanced Placement Physics C: Mechanics	37	Digital Media Production 1-2	7, 11
Advanced Placement Psychology 1-2	16	Digital Media Production 3-4	7, 11
Advanced Placement Spanish Language 1-2	46	Drama 1	29
Advanced Placement Spanish Literature 1-2	46	Drama 2	30
Advanced Placement Statistics 1-2	26	Drama 3	30
Advanced Placement Studio Art 2-D Design	8, 13	Drama 4	30
Advanced Placement Studio Art 3-D Design	11	Drama 5	31
Advanced Placement Studio Art: Drawing	14	Drama 6	31
Advanced Placement US Gov and Pol 1-2	40	Drawing and Painting 1-2	12
Advanced Placement US History 1-2	40	Drawing and Painting 3-4	12
Advanced Softball	33	Economics	41
Advanced Wrestling/Weight Training	33	Engineering Design and Development	18
Aerobic Dance	34	Engineering Geometry 1-2	24
Aerobics/Weight Training	34	Expository Reading and Writing 1-2	23
Agricultural Biology 1-2	3	Field Sports 1-2	34
Agricultural Science 1-2	3	French 1-2	43
Algebra 3-4	25	French 3-4	43
American Literature	22	French 5-6	43
Architectural Design 1-2	5, 10	Freshman Band 1-2	28
Art and History of Floral Design	10	Freshman Physical Education 1-2	35
Auto Body Repair	5	Geometry 1-2	24
Auto Engineering & Design 1-2	6	Geoscience 1-2	38
Auto Mechanics 1-2	6	German 1-2	43
Automotive Technology 1-2	6	German 3-4	44

German 5-6	44	Racquet Sports	36
Health Science	35	Soccer	36
High School English 1-2	21	Spanish 1-2	44
High School English 3-4	22	Spanish 3-4	44
Honors Algebra 3-4	25	Spanish 5-6	45
Honors Biology 1-2	39	Spanish 7-8	45
Honors High School English 1-2	21	Studio Art	13
Honors Humanities 1-2	22	Tall Flags-Color Guard	19, 29
Honors Pre-Calculus 1-2	25	Technical Production for Theater 1-2	31
Honors Spanish 3-4	45	Theatre Study and Performance 7-8	32
Honors Spanish 5-6	45	US History 1-2	42
Human Biology 1-2	39	Veterinary Science 1-2	3
Instrumental Ensemble	28	Weight Training	36
Integrated Math 1a-1b	24	Wind Ensemble 1-2	29
Intervention English 1-2	21	Women's Ensemble	28
Introduction to Design 1-2	18	World History 1-2	41
Introduction to Engineering Design 1-2	18	World Literature 1-2	23
Journalism 2/Iliad	19	Yearbook 1-2	20
Marching Physical Education	29, 35	Zoology 1-2	39
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Orchestra 1-2	29		
Photography 1	7, 12		
Photography 2	8, 13		
Photography 3-4	8, 13		
Physics 1-2	39		
Planning and Leadership/ASB 1-2	19		
Pre-Calculus 1-2	25		
Principles of Engineering 1-2	19		