

# ORESTIMBA HIGH SCHOOL

NEWMAN-CROWS LANDING UNIFIED SCHOOL DISTRICT



2020-2021  
COURSE CATALOG

## **Orestimba High School Administration**

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This catalog provides essential information about the curricular programs and requirements for Orestimba High School. General information about entrance requirements for colleges and universities is also provided. Information utilized in this catalog, along with information provided by the OHS Counseling Department, can assist parents/guardians and students in planning a four year program that best suits each student's needs.

*\*\*\*This catalog includes courses that we intend to offer in the 20-21 school year. However, due to budget constraints, staff assignments, and various other factors, some courses may not be offered. If this happens, every effort is made to give the student another class from their registration form.*

## Graduation Requirements

**BP 6146.1 (a)**

### **Instruction**

The Governing Board desires to prepare all students to obtain a high school diploma so that they can take advantage of opportunities for postsecondary education and employment.

- (cf. 5127 - Graduation Ceremonies and Activities)
- (cf. 5147 - Dropout Prevention)
- (cf. 6011 - Academic Standards)
- (cf. 6143 - Courses of Study)
- (cf. 6146.3 - Reciprocity of Academic Credit)

### **Required Coursework**

### **Semester Credits**

English		40
Social Science		30
World Civilization, US History, American Government/Economics		
Mathematics		30
Math 1 required and 2 additional unique math courses		
Physical Education		20
2 years of Band or 4 seasons of a school sports team may count for 2 <sup>nd</sup> year		
Science		30
Must include 10 Physical & 10 Life Science 3 <sup>rd</sup> year student choice		
Success 101		10
Foreign Language <i>or</i> Fine Arts <i>or</i> CTE		10
Computers/Technology		10
Required Courses	Total:	180 credits
Required Electives	Total:	80
Total for graduation:		260 credits

### **Additional Requirement**

Successful completion of senior project, exit interview and 40 hours community service.

\*Students in special education may refer to their Individual Education Plan (IEP) for Certificate of Completion requirements.

\*Community service hours and elective credits may be adjusted for transfer students

Because the prescribed course of study may not accommodate the needs of some students, the Board shall provide alternative means for the completion of prescribed courses in accordance with law.

- (cf. 6146.11 - Alternative Credits Toward Graduation)
- (cf. 6146.2 - Certificate of Proficiency/High School Equivalency)

## **General Information College Entrance Requirements**

<u>Class</u>	<u>UC</u>	<u>CSU</u>
a. History /Social Science	2yrs	2yrs
b. English	4 yrs	4yrs
c. Math**	3yrs (4)*	3yrs
d. Science***	2yrs (3)*	2yrs
e. Lang other than Eng****	2yrs(3)*	2yrs
f. Visual/Performing Arts	1yr	1yr
<u>g. College Elective</u>	<u>1yr</u>	<u>1yr</u>

\*UC recommends extra year

\*\*The Math College requirement includes Math I, Math II, and Math III

\*\*\*Two years of college-preparatory science, including or integrating topics that provide fundamental knowledge in two of these three subjects: biology, chemistry, or physics. One year of approved interdisciplinary or earth and space sciences coursework can meet one year of the requirement.-

\*\*\*\*Must complete 2 years of the same foreign language

All courses for college entrance requirements must be passed with a grade of C or better.

UC requires a minimum 3.0 GPA, SAT with Essay or ACT Plus Writing in addition to completing the college preparatory course pattern. They do not require SAT Subject Tests, but certain programs on some campuses recommend them

CSU requires a minimum 2.0 GPA (SAT Eligibility Index), SAT or ACT exams in addition to completing the college preparatory pattern.

All courses in this catalog detail whether they meet graduation and/or college preparatory requirements.

**AP (Advanced Placement):** These high school courses are taught at the equivalency and/or are comparable to a first year college level course. AP courses prepare student to take the AP exams, which offer the opportunity to earn college credit in high school.

**CSU:** California State University

**UC:** University of California

**GPA:** Grade Point Average

**CTE:** Career Technical Education

**Students are expected to take core curricula classes at Orestimba High School. Please meet with a Learning Director prior to enrolling in any course outside of OHS.**

## Agriculture

### Ag Science

Course number	3016
Grade level	9
Prerequisite	None
Course length	1 year
Requirement fulfilled	Science for graduation; Meets UC/CSU A-G Requirement; area g

This integrated class combines an interdisciplinary approach to laboratory science and research with agriculture management principles. Using skills and principles learned in the course, students design systems and experiments to solve agriculture management issues currently facing the industry. Additionally, students will connect the produces created in this class with industry activities to link real world encounters and implement skills demanded by both colleges and careers. The course culminates with Agri-science experimental research project in which students design and conduct an experiment to solve a relevant issues. Final projects will be eligible for Career Development Event competition at FFA events. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agriculture Experience (SEA) program.

### Ag Biology

Course number	3002
Grade level	10
Prerequisite	None
Course length	1 year
Requirement fulfilled:	Bio Science for graduation, Meets UC/CSU A-G Requirement; area d

This course will expose students to the nature of life in both animals and plants: its cellular structure, activity and reproduction, and systems of operation. The diversity of life and its relation to ecology will be studied. Students will also explore the human life structure and its systems of operation. Basic plant science will be covered, which will include: plant structure, photosynthesis, plant respiration, and necessities for efficient plant growth. Animal husbandry and types of agriculture in California will be integrated into the lessons. Students will be involved in several labs including, the dissection of a fetal pig. In addition, students will gain experience in leadership development through participation in our local FFA chapter (minimum of one activity per quarter), maintain a supervised agricultural experience project throughout the year (outside of class time), keep records for their project in the FFA Record Book (graded monthly), and explore the agricultural industry as it relates to our community and world.

### Ag Chemistry

Course number	3022
Grade level	11, 12
Prerequisite	Successful completion of Ag Science & Ag Biology
Course length	1 year
Requirement fulfilled	Physical Science for graduation; Meets UC/CSU A-G Requirement; area d

This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students will develop an Agriscience research program to be conducted throughout the first semester of the course. To complete that whole project each student will investigate and test an

Agriscience research question by formulating a scientific question related to the course content, formulating a hypothesis based on related research, conducting an experiment to test the hypothesis, collecting quantitative data, and forming a conclusion based on analysis of the data. The result of this research program will be an in depth research and experimentation paper that is technically written, based on scientific protocol, and cited using APA formatting. Additionally, students will develop and present a capstone soil management plan for agricultural producers, using the content learned throughout the course. Throughout the course, students will be graded on participation an intracurricular FFA activities as well as the development and maintenance of an ongoing Research Supervised Agricultural Experience (SAE) program.

### **Advanced Interdisciplinary Science for Sustainable Ag**

Course number	3022B
Grade level	12
Prerequisite	Successful completion of Ag Science, Ag Biology & Ag Chemistry
Course length	1 year
Requirement fulfilled	Physical Science for graduation, Meets UC/CSU A-G Requirement; area d

This project-based learning class combines an interdisciplinary approach to laboratory science and research with agricultural management principles. Using skills and principles learned in the course, students design systems and experiments to solve agricultural management issues currently facing the industry. Students will connect the products created in this class with industry activities to link real world encounters and implement skills demanded by both colleges and careers. This class will be based on real world production agriculture and will include a diverse array of topics including plant and animal science, and natural resources. Throughout the course, students will be graded on participation in intracurricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program.

### **Animal Science**

Course number	4618A
Grade level	10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Science for graduation; Meets UC/CSU A-G Requirement; area g

A one-year course designed to provide students with an opportunity to study science of animal production, including the livestock industry, feeding and nutrition, animal breeding, anatomy and the production of beef, sheep, goats, rabbits, horses, poultry, dairy, and other specialty animals. Leadership skills will be taught through participation in FFA activities and record keeping.

### **Veterinary Science**

Course number	4618
Grade level	11, 12
Prerequisite	Animal Science
Course length	1 year
Requirement fulfilled	Science for graduation, Meets UC/CSU A-G Requirement; area d

This course provides a study of basic animal veterinary care. Course work will include anatomy and physiology of domestic animals, nutrition, parasites and diseases, and much more. Guest speakers will be provided to add knowledge of current practices. Students will gain practical experience in veterinary medicine by conducting hands-on activities and labs. Leadership skills are taught through participation in FFA activities and record keeping.

### **Plant Science**

Course number        4621A  
Grade level            11, 12  
Prerequisite           N/A  
Course length         1 year  
Requirement fulfilled   Physical Science for graduation

This course is designed to teach students skills plant propagation, irrigation, fertilization, identification, and management. Students will participate in maintaining school orchard. Instruction in plant botany is included as well as information about careers in horticulture. Leadership skills will be taught through participation in FFA activities and record keeping.

### **Ag Welding**

Course number        5012  
Grade level            11, 12  
Prerequisite           Completion of Ag Mechanics I & II  
Course length         1 year  
Requirement fulfilled   CTE or elective credit for graduation

### **Course description:**

The Agriculture Welding course offered at Orestimba High School will teach students valuable skills they can apply in the job market. This course is designed to give students a basic understanding of fabrication and construction principles. In addition, basic techniques in Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW). Advanced techniques in Shielded Metal Arc Welding (SMAW), Oxy-Acetylene welding (OAW), Oxy-Acetylene Cutting (OAC) will be stressed. Welding symbols and plan reading will be introduced and taught. The hands-on approach to learning is emphasized in all Agriculture classes. The FFA component will be part of the class as well, so we will be working on Record Books. There will be multiple small projects constructed. At least one project must be approved to be shown at the Stanislaus County Fair.

### **Ag Fabrication**

Course number: 5021  
Grade level:            11, 12  
Prerequisite            Completion of Ag Mechanics I, II & Ag Welding  
Course length         1 year  
Requirement fulfilled   CTE or elective credit for graduation

### **Course description:**

This course is designed to give students a Basic understanding of fabrication and construction principles and basic engineering. In addition, advanced techniques in Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW) will be stressed. Project planning will be emphasized along with blue

print reading, drawings and layout, as well as materials lists and project estimates. The Hands-on approach to learning is emphasized in all Ag Classes. The FFA component will be part of the class as well, so we will be working on Record Books. You will have to have a large project approved to be shown at the Stanislaus County Fair.

### **Ag Mechanics I**

Course number	5009
Grade level	9, 10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	CTE or elective credit for graduation; Meets UC/CSU A-G Requirement; area g

This course includes the proper care, use, and nomenclature of common hand tools and hardware. Students will complete required projects in the following areas: measurement, cold metal, woodworking, arc and gas welding, electrical, plumbing, rope work, concrete, and small engine repair. Leadership skills will be taught through participation in FFA activities and record keeping.

### **Ag Mechanics II**

Course number	5009B
Grade level	10, 11, 12
Prerequisite	Ag Mechanics I
Course length	1 year
Requirement fulfilled	CTE or elective credit for graduation; Meets UC/CSU A-G Requirement; area g

This course is designed to introduce students to the mechanical aspect of agriculture, primarily to four stroke Briggs and Stratton combustion engines, and fabrication. Students will learn skills in the following areas: safety, tool and equipment identification, small engines, construction, welding woodworking and tractor operation and maintenance. Leadership skills will be taught through participation in FFA activities and record keeping.

### **The Art and History of Floral Design**

Course number	8032
Grade level	11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	CTE or Fine Art graduation; Meets UC/CSU A-G Requirement; area f

This class is designed to allow students to apply an artistic approach to floral design. Students will explore elements and principles of design, two and three dimensional designs, history of floral art, arrangement styles and techniques, seasonal, holiday and occasional designs. Students will achieve this through creating, designing, identifying, explaining, and evaluating all topics of study. There is no materials fee, however, all students will be charged a nominal fee to cover the cost of materials if they wish to purchase their design. In addition, students will gain experience in leadership development through participation in our local FFA chapter (minimum of one activity per quarter), maintain a supervised agricultural experience project throughout the year (outside of class time), keep records for their project in the FFA Record Book (graded monthly), and explore the agricultural industry as it relates to our community and world.



## Computers

### Computer Programming I

Course number	4610
Grade level	9, 10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area g

This course teaches students the concepts of computer programming with an emphasis on game design and development.

During this course, students will learn how to program and design several different programming languages, primarily Python and JavaScript using CodeCombat curriculum. The course requires students to design and program several different games and game level design. Integrated into the course are technical writing assignments, workplace communication, mathematics in programming, and technology.

### Computer Programming II

Course number	4611
Grade level	10, 11, 12
Prerequisite	Completion of Computer Programming I
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology/Math requirements for graduation and Meets UC/CSU A-G Requirement; area g

This is part of the CTE Game Design and Integration Pathway through which students will explore areas of Game Design, Integration, Simulation and Interaction. This course will focus on the areas of Interactive Media, as well as new and emerging fields such as Virtual Reality, Architectural Visualization and Engineering Simulation. Students will have the opportunity to explore areas such as Video Games, Virtual Reality, Digital 3D Animation, Virtual Film making, and Interactive Design and Simulation. Through using industry standard technology and tools such as, Unreal Engine, Unity3D, Scratch, Adobe Flash, and Adobe Photoshop, students will create several interactive projects. A comprehensive look at the history of computer interactive design will be explored. Students will apply programming concepts along with technical best practices and ideas of user experience through a collaborative team project based learning approach.

### Computer Tech

Course number	4604
Grade level	10, 11, 12
Prerequisite	Computer Programming I
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area g

This course is designed to introduce students to careers in the field of a Professional PC Technician through the integration and development of core academic content. Students will also learn the professional norms, skills, and competencies related to a career in computer repair. This interdisciplinary course integrates concepts from the social science and physical science disciplines and is based on

currently accepted academic and career and technical education standards. Students will learn and apply industry specific terminology and practice many hands-on skills required of repair technicians, including ability to set-up and secure small networks, install memory and processors, and install hardware drivers. Students will develop their critical thinking skills through the application and integration of academic and career technical industry specific skills throughout this course.

### **Multi-Media Productions I**

Course number	4609
Grade level	9, 10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area f

Video Production is a hands-on course. The fall semester introduces students to the industry standard Mac OS platform, cinema history, technical and aesthetic aspects of digital video camera use, and how to plan, shoot, and edit a visual story using iMovie and Final Cut Pro. Students analyze their work as well as the work of others. In the spring semester students become part of a production crew with the unique opportunity of putting theory into practice by producing their own personal video projects. Each student working collaboratively as part of a production crew develop leadership skills when taking on the responsibility of overseeing their particular area of pre-production, production, or post-production in their selected projects.

### **Multimedia and Production II**

Course Number	4613
Grade level	10, 11, 12
Prerequisites	Multimedia I (Required)
Course Length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area f

Advanced Digital Video Production is the capstone course for Production and Managerial Arts in which students will participate in the development, preproduction, production, and postproduction processes in the creation of a full web series. This course provides instruction and training for students interested in careers in the video, broadcast, and film production industries. Students experience both the creative and technical aspects of filmmaking and video production in conjunction with learning about historical and exploring emerging platforms for distribution and expression. Students will explore different aspects of the media and entertainment industry as it relates to potential career selections.

### **Intro to Computer Science**

Course number	4609
Grade level	9, 10, 11, 12
Prerequisite	None
Course length	1 year

Requirement fulfilled                      Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area g

This course will provide students with foundational knowledge of computer science. Students will explore topics of human computer interaction, problem solving, web design, programming, computing and data analysis, and Microsoft Office Certifications. Throughout the course, students will understand the algorithmic underpinnings of computer applications and gain technical expertise using computational tools.

### **Intro to Graphic Design**

Course Number                              4614A  
Grade Level                                  9, 10, 11 12  
Prerequisite                                  None  
Course length                                1 year  
Requirement fulfilled                      Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area f

This course provides students with a foundational understanding of digital design, tools, processes and systems common to careers in graphic arts and digital production. Exploration topics include printing enterprise, art and copy preparation, graphic design, image generation and assembly, production photography, graphic reproduction operations, binding and/or finishing related to digital imaging, printing, and digital production. This course serves as an introductory course to an Arts, Media, and Entertainment Pathway for Graphic Arts. Students will express creativity through digital media applications. They learn the basic language and elements of art techniques to create interactive products to educate, inform, and entertain. Students will reflect, discuss, evaluate, and write the discrimination about the media and careers studied. Art history, graphic design, and higher-level graphic concepts will be studied and applied. This course offers intensive hands on production through project based assignments and strives to nurture individual talents and skills.

### **Advanced Graphic Design**

Course Number                              4614B  
Grade Level                                  10, 11, 12  
Prerequisite                                  Introduction to Graphic Design (Required)  
Course Length                                1 year  
Requirement fulfilled                      Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area f

Advanced Graphic Design provides students with an in depth experience with digital design tools, processes and systems common to careers in graphic arts and digital production. Career examination and skill building include printing enterprise, art and copy preparation, graphic design, image generation and

assembly, production photography, graphic reproduction operations, binding and/or finishing related to digital imaging, printing, and digital production. This course is designed to build upon the skills and techniques learned in the Introduction to Graphic Design course. Students will learn advanced tool skills in Adobe's Creative Suite (Photoshop, Illustrator, and InDesign). These skills will be applied to advanced personal and community projects. Assignments will become more complex and technically challenging with an emphasis on expanding critical thinking as a valuable tool for visual problem solving and applying those skills in projects that meet professional industry standards. Students will work independently and collaboratively, will engage in regularly scheduled critique sessions and will share and receive critical feedback in a professional manner. Students will engage in oral presentations and write journal reflections that identify each stage of the design thinking process from ideation, rough drafts to completing well executed final drafts. Historical design and aesthetics will continue to be a student focus including how technology, politics, social media, economics and cultural beliefs influence their artwork.

### **Intro to Media Arts**

Course number	7219
Grade level	9, 10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area f

Intro to Media Arts introduces students to the art and technical skills involved in the creation of pieces of 2D and 3D animation. Students cover the background of animation, covering prominent animation films and directors, and the growth of animation. Through the course of the class, students learn to use multiple pieces of software including Maya, Toonboom, and Photoshop. Work produced in this class will communicate a clear development of mastery applying all relevant artistic theory such as color, composition, cinematography, elements of art and principle of design. The class assignments are designed to teach and practice their theoretical knowledge but develop their understanding of the methodology they use in their assignments. The project based learning lab environment challenges students to sharpen skills such as goal and time management as well as critical thinking. Within such an environment, students are expected to be engaged, self-directed learners. Student's assignments require them to work well both as an individual as well as within a team. Students offer and receive critiques from peers in addition to being self-reflective with their work.

### **Intermediate Media Arts**

Course number	7220
Grade level	10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation and being submitted for UC/CSU A-G Requirement; area f

In this course, students build on the foundational animation skills learned and developed in Introduction to Media Arts. This year students work in production teams on a variety of projects and on a quicker production cycle. Students also learn more advanced animation graphics production techniques and effects using Illustrator and After Effects. Students will be advancing into more in depth 3D Modelling and Animation using Maya.

### **Advanced Media Arts**

Course number	7221
Grade level	11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation, will be submitted to UC/CSU A-G Requirement; area f

In this course, students collaborate on a variety of different animation projects to create their own shorts, cartoons, films, or comic books. This year students work in production teams to create original content. Building on the techniques from Intermediate Media Arts, students will work through the professional animation production pipeline from start to finish. Students will work together to learn more about story, concept art, storyboarding, animation, lighting, modeling, texturing, etc.

### **Robotics I**

Course number	8131
Grade level	9,10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area g

The Introduction to Robotics class is a multidisciplinary course that aims to teach applied concepts of mechanical design, computer programming and technology, physics, and mathematics through the integration of a robotics system, the Lego Mind storms EV3. In this activity-based class, students will design and program robots to perform a multitude of tasks that will integrate and apply the principles of mathematics and physics. Projects, labs, and activities are designed for students to problem solve emphasizing creativity, analysis, and critical thinking.

### **Robotics II**

Course number	8132
Grade level	10, 11, 12
Prerequisite	Robotics I
Course length	1 year
Requirement fulfilled	Fine Arts or Computers/Technology requirement for graduation and Meets UC/CSU A-G Requirement; area g

Robotics 2 is divided up into twelve primary units. In a flexible format, students learn about engineering and engineering problem solving. They will be given introductions to the VEX Robotics Design System and Autodesk Inventor while learning key STEM principles through a process that captures the excitement and engagement of robotics. The curriculum is heavily focused on mechatronic principles; as such, prior programming knowledge is NOT required. However, this course is structured in such a way that students will learn how to program with the Robotic language.

## **Fine Art**

### **Art and Ideas**

Course number	7000
Grade level	9, 10, 11, 12

Prerequisite	None
Course length	1 year
Requirement fulfilled	Fine Arts requirement for graduation and Meets UC/CSU A-G Requirement; area f

Art and Ideas is a basic exploratory course in the field of fine arts. This course introduces a variety of media and techniques, touching basic skills in two- and three-dimensional design, color theory, perspective drawing, and composition. It acquaints students with various media using the elements and principles of art. The class focuses attention on personal expression, quality craftsmanship and the process of discovery. Grading will be based on quality of artwork, tests, homework, and participation in class.

### **Art II**

Course number	7001
Grade level	10, 11, 12
Prerequisite:	Art and Ideas
Course length:	1 year
Requirement fulfilled	Fine Arts requirement for graduation, Meets UC/CSU A-G Requirement; area f

Art II offers students the opportunity to pursue further their interests in two- and three-dimensional art. Class assignments will emphasize a more complex treatment of drawing and design experiences than Art I. Grading will be based on performance in class exercises and projects, tests and homework, and participation in class.

### **Art III**

Course number	7003
Grade level	11, 12
Prerequisite	Art 2
Course length	1 year
Requirement fulfillle:	Fine Arts requirement for graduation, Meets UC/CSU A-G Requirement; area f

This course is designed for highly motivated students who are seriously interested in the study of Art and who wish to pursue advanced studies while in high school. It enables art students to conceptualize images, to develop quality artwork, and to develop an area of concentration. Students will acquire depth and breadth of understanding of the principles of design and elements of art. Students will study vocabulary unique to art and will apply the elements of art and principles of design to their creations. In their original work they will communicate meaning, intent, feeling and emotions using a variety of media. Students will learn how history and culture has influenced art and artists worldwide. The class is a combination of studio work, written and reading homework assignments, and the compilation of an individual portfolio of each student's work consisting of three individual sections: Quality, Concentration, and Breadth.

### **Ceramics and Sculpture**

Course number	7006
Grade level	9, 10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Fine Arts requirement for graduation, Meets UC/CSU A-G Requirement; area f

Ceramics & Sculpture provides an introduction to the Elements of Art and the Principles of Design such as Form, Texture, Line, Color, Pattern, Contrast, Balance and Unity, through a series of three-dimensional projects. Students will learn several construction techniques such as Pinch Pot, Coil and Slab Construction, Wheel-Throwing and Extruding in order to create functional and abstract forms. Students will participate in class discussions, field trips, art critiques and presentations to further their historical and cultural understanding of the medium of clay and art of sculpture.

### **Intermediate Ceramics**

Course number	7006B
Grade level	10, 11, 12
Prerequisite	Ceramics and Sculpture
Course length	1 year
Requirement fulfilled	Fine Arts requirement for graduation, Meets UC/CSU A-G Requirement; area f

Intermediate Ceramics is an extension of Ceramics and Sculpture. Students will continue to explore the Elements of Art and the Principles of Design through the medium of clay. Students will learn advanced building and glazing techniques. Students will participate in class discussions, field trips, art critiques and presentations to further their historical and cultural understanding of the medium of clay and the art of sculpture.

### **Advanced Ceramics and Sculpture**

Course number	7008
Grade level	11, 12
Prerequisite	Successful completion of Intermediate Ceramics
Course length	1 year
Requirement fulfilled	Fine Arts requirement for graduation, Meets UC/CSU A-G Requirement; area f

Advanced Ceramics will continue an exploration of the Elements of Art and Principles of Design through the medium of Clay. Students will build on their knowledge of various clay forming techniques and will add creating a tile mosaic and raku firing to their skills. Students will participate in class discussions, field trips, art critiques and presentations to further their historical and cultural understanding of the medium of clay and the art of sculpture.

## **Electives**

### **Broadcast Journalism**

Course number	3614
Grade level	10, 11, 12
Prerequisite	Multi Media Production I
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation, Meets UC/CSU A-G Requirement; area g

Broadcast Journalism/Television Production is an advanced level course in a coordinated sequence of courses in the Arts, Media and Entertainment pathway of courses in the Newman Crows Landing Unified School District. The course provides instruction in news reporting and editing for both on-air video broadcast and print media. Students refine their analytical reading, expository writing and oral

communication skills and are provided with experiences that may form the basis for a future college major in communications. Students prepare and present newscasts and enterprise reports in a broadcast environment. Reporting, writing news copy, sound, and digital video editing and presentation design are among the topics covered. In addition, the historical and contemporary practices of broadcast journalism in society, with emphasis on methods, writing, announcing and ethics are studied. The importance of researching information and fact-finding are stressed throughout the course. Much of the course is project-based, as students apply their knowledge producing regular news segments to be broadcast for the school and to outside audiences.

### **Child Development**

Course number	8002M
Grade level	11, 12
Prerequisite	Must be on track meeting A-G requirements
Course length	1 year
Requirement fulfilled	Meets elective for graduation, Meets 12 units of lower division UC credits

The Child Development and Care Dual Enrollment Program is a college/career readiness initiative. High schools can lease curriculum for four (4) child development and education courses which are approved for twelve (12) semester units of UC Merced undergraduate credit. Courses are transferable for academic credit at California community colleges and all University of California or California State University campuses. Child Development Dual Enrollment courses meet the academic requirement for an early childhood associate teacher permit from the California Commission on Teacher Credentialing. Students will learn to demonstrate awareness, sensitivity, and responsiveness to diversity in every domain of learning, understanding values as opportunity for respectful exchange, collaboration, and shared commitment to the greater good. They will master content in child development, family and community studies, early literacy, and math readiness, along with capacity to monitor and guide personal learning. They will effectively convey information, engage in respectful dialogue, and share ideas through oral and written discourse, cultivating inquiry inclusive of self, other, and community. They will be taught to implement problem-solving skills capable of promoting justice, fostering collaborative leadership, and addressing community concerns with mature civic identity. They will have opportunity to cultivate professional expertise for care and instruction to promote the developing potential of infants, toddlers, preschool and school-aged children. As well as nurture, assess, and support literacy and math readiness for infants, toddlers, preschool and school-aged children.

### **Criminal Justice**

Course number	1507B
Grade level	11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Meets CTE or elective credit for graduation

This course is subsequent to the Orestimba High School History of Criminal Justice I course. As such, it continues beyond the theory of each component of the Administration of the Justice System. The course explores the practical aspects of criminal justice careers. It is a participation course in that students are expected to participate/engage in classroom activities, field trips, training, and campus activities/events. Concurrent involvement in the Newman Police Department's Explorer Program is encouraged. Upon completion of the course, students will have learned about and, in some cases, practice the duties and responsibilities for entry-level careers in criminal justice. Students will have a thorough foundation and basic understanding of criminal law and procedure as applicable to traditional law enforcement, adult



and juvenile corrections, probation, parole, criminology, and the administration of justice field generally. Students will also be exposed to trends in the justice system including evidence based practices, rehabilitation, and system realignment.

### **History of Criminal Justice**

Course number        1507A  
Grade level         10, 11, 12  
Prerequisite         N/A  
Course length        1 year  
Requirement fulfilled Meets CTE or elective credit for graduation

This course introduces you to the study of crime and the administration of justice in the United States. The focus throughout the course will be on the realities of the criminal justice system; the police, the courts, corrections, and criminal justice process which deals with the disposition of minors charged with the commission of crimes. We will explore the daily activities of the people involved in the system; the suspect, the victim, the police officer, the judge, and the prison guard to determine how the criminal justice system is defined, implemented, and distorted within the system. Upon completion of this course, you should have a better understanding of how the criminal justice process is carried out in the United States.

### **Drama**

Course number        6015  
Grade level         9, 10, 11, 12  
Prerequisite         N/A  
Course length        1 year  
Requirement fulfilled Meets elective credit for graduation, Meets UC/CSU A-G Requirement; area f

This course is a basic introduction to acting technique for the stage. It is designed to develop the ability to play dramatic action honestly and believably, using realistic/naturalistic material as well as self-scripted autobiographical writing. Course work includes exercises and improvisations exploring awareness, relaxation, observation, the senses, voice, and physical and emotional life. Work in preparation of the monologue will be introduced. Scene work, in the second half of the term, will focus on breaking down the play, analysis, identity, motivation and action. Out-of-class assignments include required readings from acting texts and plays. Attendance at, as well as responses to, a number of stage productions scheduled during the term is required. Students will also learn basic stage and rehearsal terms, theater etiquette, and process of a stage production including lighting and sound engineering.

### **Football Theory**

Course number        9100F  
Grade level         10, 11, 12  
Prerequisite         N/A  
Course length        1 year  
Requirement fulfilled Meets elective credit for graduation

This course is designed for the Varsity Football Players at Orestimba High School. The focus of this course is to develop teamwork, muscle strength, speed, and scheme of football, along with creating a year round emphasis on the sport. This class will provide a program of rigorous physical activity that will assist the individual athletes in pushing their minds and bodies. The course will be both semesters, the

first semester will be a focus on the current football team during the fall. The second semester will focus on the football season for the following school year.

### **Film Studies**

Course number	1039
Grade level	11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation, Meets UC/CSU A-G Requirement; area g

Film Studies is a yearlong, introductory course designed to introduce cinema from the three major perspectives of art, cultural influence, and industry. The artistic elements include aesthetics, theory, composition, and criticism to allow students to analyze film and create meanings artistically. Similarly, students experiment with different interpretations of films in order to understand the impact of the film industry on current culture. The industrial perspective in Film Studies mainly focuses on careers in cinema; students explore the responsibilities, techniques, and the career-pathways of industry workers including but not limited to directors, cinematographers, lighting technicians, editors, and animators. Through these studies, students continue to develop their existing skills of writing, analysis, interpretation, and inference while being introduced to the broader world of cinema.

### **Intro to Psychology**

Course number	1529
Grade level	11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation, Meets UC/CSU A-G Requirement; area g

Psychology is the study of behavior and mental processes. We will be looking at the way that people behave and what causes those behaviors. We will look at the different ideas that are and have been part of the field of psychology. Areas covered besides the different schools of psychology will include the physical structures of the body that influence psychology, psychological development, and research methods in psychology.

### **Leadership**

Course number	6016
Grade level	9, 10, 11, 12
Prerequisite	Application submitted to teacher
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation

The goal of the Leadership class is to embody and promote “One School, One Tribe;” engagement, inclusion, building consensus, and the structure of community. The Leadership class is a space where identified leaders on Orestimba’s campus come together to work on the campus, plan activities, organize events, collaborate with other campus clubs, and communicate with Orestimba’s student body and faculty through a public relation campaign. Leadership qualities are learned while completing tasks and working together to build community at Orestimba High.

### **Sports Officiating**

Course number	9100
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Grade level	10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation

Sports officiating is a hands on course that will expose you to the rules and officiating techniques of most high school sports. During this year long class, we will cover the following sports: soccer, volleyball, basketball, softball, baseball and football. It is the goal of this class that you will be able to join the high school officiating ranks after graduation and be fully prepared for that.

### **Yearbook- Advanced Desktop Publishing**

Course number	6007
Grade level	10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Meets elective or Computers/Technology credit for graduation, Meets UC/CSU A-G Requirement; area g

This course is designed to teach the principles of yearbook journalism culminating in the professional production of the annual high school yearbook. This course will engage students in the process of yearbook production including reading, graphic design, copy writing, photography including photo composition, interviewing techniques, and organizational and management skills.

This full-year course addresses Common Core and California State Standards for grades nine through twelve in English Language. Their writing will be subjected to an extensive instructor and peer review editing process. The goal is to improve the overall quality of works produced by focusing on critical thinking skills developed through the process of gathering information via reading or oral means, effective, thoughtful writing, critiquing, and editing. Students will learn to communicate their ideas clearly and effectively through writing, as well as the discussion of production plans and peer editing. This course is deadline driven and will require participation outside of regular class hours.

### **Study Hall**

Course number	1036B, 1036C
Grade level	9, 10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation

Study Hall provides students with a structured, scheduled academic environment. Students are to spend 20 min per period on Khan Academy and 15 min reading for outside reading. They will also be assigned one lesson per week on average from Suite 360 (a social emotional learning platform). Study Hall gives students the opportunity to complete assignments and access school resources. Students are assigned to an instructor for the class period and required to adhere to behavioral and academic expectations in order to earn credit.

## **English**

### **English 9**

Course number	1001
Prerequisite	None

Course Length	1 year
Requirement fulfilled	Meets graduation requirements in English, Meets UC/CSU A-G Requirement; area b

English 9 is a course required for graduation. It is designed to provide a solid base for students in the basic skills of English, while exposing them to the richness of their literary heritage. Reading, writing, listening and speaking skills will be stressed. There will be a study of short stories, novels, plays and poetry. An introduction to the OHS writing program, research paper writing and numerous other writing assignments will be included, as will a review of grammatical skills. Literary terms and SAT vocabulary will also be part of the course. A review for the CAHSEE will be conducted throughout the school year.

### **English 9T Honors English**

Course number	1003
Prerequisite:	Open enrollment, 8 <sup>th</sup> grade semester grades will be considered
Course length	1 year
Requirements Fulfilled	Meets graduation requirements in English, Meets UC/CSU A-G Requirement; area b

Freshman Honors English meets the graduation requirement for Freshman English. However, it is an honors class so it is an accelerated English class designed to help the advanced student prepare for Advanced Placement English in their senior year. It is designed to provide a solid base for students in basic skills of English, while exposing them to the richness of their literary heritage. It is a study of short stories, novels, plays, mythology, Arthurian legends and poetry. There is also an emphasis on writing and critical thinking skills. The Jane Shaffer Writing program will be taught, as well as a research paper and numerous other writing assignments. A review of grammatical skills and an exposure to literary terms and SAT vocabulary will also be included. A review for the CAHSEE will be conducted throughout the school year.

### **English 10**

Course number	1004
Prerequisite	English 9
Course length	1 year
Requirements fulfilled	Meets graduation requirements in English, Meets UC/CSU A-G Requirement; area b

English 10 is a class required for graduation. It is designed to provide a solid base for students in basic skills of English, while exposing them to the richness of their literary heritage. It is a study of short stories, novels, plays, mythology, legends and poetry. There is also an emphasis on writing and critical thinking skills. A refresher course in the Jane Shaffer Writing program will be done, as well as a research paper and numerous other writing assignments. A review of grammatical skills and an exposure to literary terms and SAT vocabulary will also be included. A review for the CAHSEE will be conducted throughout the school year.

### **English 10T Honors English**

Course number	1005
Prerequisite	Completion of English 9T with a grade of C or better
Course length	1 year
Requirements fulfilled	Meets graduation requirements in English, Meets UC/CSU A-G Requirement; area b

Sophomore Honors English meets the graduation requirements as 10<sup>th</sup> grade English. However, it is an accelerated English class designed to help the advanced student prepare for Advanced Placement English exam in their senior year. It is designed to provide a solid base for student in the basic skills of English, while exposing them to the richness of their literary heritage. It is primarily a study of American Literature and consists of a study of short stories, novels, plays and poetry. A research paper and other writing assignments will also be included. The course will also cover a review of literary terms and SAT vocabulary words. A review for the CAHSEE will be conducted throughout the school year.

### **English 11**

Course number	1006
Prerequisite	Completion of English 10
Course length	1 Year
Requirements fulfilled	Meets graduation requirement in English, Meets UC/CSU A-G Requirement; area b

English 11 is a course required for graduation. It is designed to provide a solid base for student in the basic skills of English, while exposing them to the richness of their literary heritage. It is primarily a study of American Literature and consists of a study of short stories, novels, plays and poetry. A research paper and other writing assignments will also be included. The course will also cover a review of literary terms and SAT vocabulary words.

### **English Language and Composition 11AP**

Course number	0900
Prerequisite	Completion of English 10T with a grade of C or better
Course length	1 year
Requirements fulfilled	Meets graduation requirement in English, Meets UC/CSU A-G Requirement; area b

English Language and Composition 11AP AP Language and Literature is an introduction to Classical and English Literature - famous authors, short stories, poetry, plays, and novels. It is also a class that studies rhetorical thinking and writing and aids students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students will become aware of the interactions between a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and language contribute to effectiveness in writing. The class will involve a wide variety of writing assignments including speech, oral interpretation, research and critical thinking. This class is designed to prepare you for the Seniors Advanced Placement Literature class, as well as the Language and Composition AP test in May. Some of the books and plays we will read include: Oedipus Rex, Medea, Beowulf, Becket, Hamlet, Much Ado About Nothing, and Frankenstein.

### **ERWC (English 12)**

Course number	1009B
Prerequisite	English 11
Course length	1 year
Requirements fulfilled	Meets graduation requirement in English, Meets UC/CSU A-G Requirement; area b

ERWC is an introduction to English Literature. It will cover "classics" of English literature, as well as composition, resume writing, letter writing, research papers and study skills. It will also include practice for the English sections of the SAT and ACT and a review of literary terms. Several components of the Senior Portfolio are also traditionally covered.

### **English 12AP Literature and Composition**

Course number	1009
Prerequisite	Completion of English Lang and Comp 11AP with grade of C or better
Course length	1 year
Requirements fulfilled	Meets graduation requirement in English, Meets UC/CSU A-G Requirement; area b

Advanced Placement English is designed to challenge the advanced student and to aid them in passing the Advanced Placement examination in English at the end of the year. The class will emphasize the development of skills in critical reading of imaginative and discursive literature and in writing about literature and related ideas. It will also deal with poetic analysis and critical thinking skills. Work on the Senior Portfolio requirements will be covered, as well as practice for the AP examination in Literature given in May.

### **Read 180**

Course number	0090
Grade level	9, 10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Meets English credit for graduation

Read 180 is the leading blended learning intervention program building reading comprehension, academic vocabulary, and writing skills for struggling students. Read 180 program focuses on reading comprehension, listening/oral comprehension, and writing skills. The students work on these skills and more through an Instructional Model where they complete a three-work station rotation of independent reading, independent computer work and a small group guided discussion with the teacher. Within each station students work on answering comprehension questions, making inferences, spelling skills, and increasing their writing skills.

## **Foreign Language**

### **Spanish 1 (Non-Native Speakers)**

Course number	4001
Grade level	9, 10, 11, 12
Prerequisite	None
Course length	1 year
Requirement fulfilled	Foreign Language/Fine Arts/Elective credit for graduation, Meets UC/CSU A-G Requirement, area e

This course is designed as an introductory course for the student who desires to learn a foreign language. Active participants will understand and interpret written and spoken Spanish on a variety of topics. Students enrolled in Spanish I will be assessed on the following domains: listening, speaking, reading, and writing. Through lecture, activities, projects, visuals, music, and games students will learn basic communication skills as well as an awareness of Latino/Hispanic cultures.

### **Spanish 2 (Non-Native Speakers)**

Course number	4002
Grade level	9, 10, 11, 12

Prerequisite	C or better in Spanish 1
Course length	1 year
Requirement fulfilled	Foreign Language/Fine Arts/Elective credit for graduation, Meets UC/CSU A-G Requirement, area e

Spanish II is an intermediate course designed for the student who wishes to advance their studies in Spanish. Active participants will engage in strong conversation, provide and obtain key information, express feelings and emotions, and exchange opinions. Students enrolled in Spanish II will be assessed on the following domains: listening, speaking, reading, and writing in Spanish. Students will strengthen their communication skills and enrich their knowledge of Latin American cultures through lecture, classroom activities, homework, projects, food, music, videos and games.

### **Spanish 2 (Native Speakers)**

Course number	9011
Grade level	9, 10, 11, 12
Prerequisite	Ability to speak and understand Spanish
Course length	1 year
Requirements fulfilled	Foreign Language/Fine Arts/Elective credit for graduation, Meets UC/CSU A-G Requirement, area e

This is a second year Spanish language course geared towards native speakers. We will be reviewing material from Spanish I and II at an advanced level. We will review and extend your knowledge of formal grammatical structures, increase your vocabulary and understand written and spoken Spanish as used in an everyday, real world context. All four skills will be taught: reading, writing, speaking, and listening. The goal is to make students competent in more than one language, culture and to make them successful language learners. Competence comes from not only being able to communicate in Spanish and in understanding Hispanic/Latino culture, but also in developing more insight into one's own language and culture.

### **Spanish 3 (Native Speakers)**

Course number	9012
Grade level	10, 11, 12
Prerequisite	Completion of Spanish 2
Course length	1 year
Requirements fulfilled	Foreign Language/Fine Arts/Elective credit for graduation, Meets UC/CSU A-G Requirement, area e

In this course students will be able to continue developing their reading, writing, speaking and listening skills in Spanish by engaging in a deeper intermediate level grammar analysis, cultural study projects, and the introduction to Hispanic/Latino history. Students will also have an opportunity to continue developing essay writing and presentational skills by reading short stories, novels, and other research based cultural investigations. Reading and writing are more intense, as this course is formulated to prepared students for the next level class, AP Spanish Language. The National Standards for Foreign Language Learning are emphasized, with emphasis primarily in: Communication, Culture, Connections, and Comparisons.

### **Spanish 3 (Non-Native Speakers)**

Course number	4003
Grade level	9, 10, 11, 12
Course length	1 year
Prerequisite	Completion of Spanish 2

Requirements fulfilled Foreign Language/Fine Arts/Elective credit for graduation, Meets UC/CSU A-G Requirement, area e

Spanish III continues with the concepts learned in Spanish II, oral and written, but the course moves at a faster pace and is geared towards non-native speakers. All four skills will be taught: reading, writing, speaking, and listening. The National Standards for Foreign Language Learning are emphasized, with emphasis primarily in: Communication, Culture, Connections, and Comparisons. The goal is to make students competent in more than one language, culture and to makes them successful language learners. Competence comes from not only being able to communicate in Spanish and in understanding Hispanic/Latino culture, but also in developing more insight into one's own language and culture.

### **Spanish Language AP**

Course number 9010  
Grade level 11, 12  
Course length 1 year  
Prerequisite Completion of Spanish 1, 2, & 3 or Natives 2 & 3  
Requirement fulfilled Foreign Language/Fine Arts/Elective credit for graduation, Meets UC/CSU A-G Requirement, area e

Spanish Language AP is a one-year course that continues the development of the four language skills (reading, writing, listening, and speaking). There will be an emphasis on speaking and listening activities, along with grammatical review and training and practice in taking the AP Spanish Language test. **Note** Students may speak only in Spanish during the class period. The goal is to make students competent in more than one language, culture and to makes them successful language learners. Competence comes from not only being able to communicate in Spanish and in understanding Hispanic/Latino culture, but also in developing more insight into one's own language and culture.

### **AP Spanish Literature and Culture**

Course Number 9010A  
Grade Level 12  
Course Length 1 year  
Prerequisite Completion on AP Spanish Language and Culture  
Requirement Fulfilled Foreign Language/Fine Arts/Elective credit for graduation, Meets UC/CSU A-G Requirement, area e

The AP Spanish Literature and Culture course is a one-year course that fulfills the four language learning skills (reading, writing, speaking, and listening). This courses uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), in such way they enhance their critical reading and analytical writing skills. Literature is examined within the context of its time and place. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism). This course is entirely though in Spanish and students are encouraged to utilize such language, in order to make their learning experience effective.

## **Freshmen Requirements**



**Success 101**

Course number	9101
Grade level	9
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Freshman requirement for graduation, Meets UC/CSU A-G Requirement area g

Success 101 will take place three out of the four quarters of the school year. Students will be working on the Success 101 program. This program asked students to think about three essential questions, “Who Are You?” “What Do You Want?” And, “How Do You Get It?” This course is designed to help student’s foster academic success in their high school careers, and to aid in successfully reaching life goals set by the individual student. Students will be introduced to strategies for identifying possible career interests, researching those interests, and end the semester with a working digital and paper career resource portfolio. During one quarter students will learning Geography.

**MATH****Math I**

Course number	2222
Grade level	9, 10, 11, 12
Course Length	1 year
Prerequisite	N/A
Requirement fulfilled	Meets math credit for graduation requirement, Meets UC/CSU A-G requirement, area c

This course begins with a study of linear and exponential functions through the exploration of arithmetic and geometric sequences. Students learn about the features of these functions and their graphs. Students then solve linear equations and inequalities, moving on to systems of both. Students in this course will also explore the study of geometry through transformations and symmetry. Connections are made between Algebra and Geometry.

**Math II**

Course number	2223
Grade level	10, 11, 12
Course length	1 year
Prerequisite	Completion of Math I with a C or better
Requirement fulfilled	Meets math credit for graduation requirement, Meets UC/CSU A-G requirement, area c

Math 2 focuses on quadratic expressions, equations, and functions and how these behaviors compare to linear and exponential relationships from Math 1. Students are introduced to complex numbers, and links are made between probability and data. The study of similarity leads to an understanding of right-triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations will be explored.

**Math III**

Course number	2224
Grade level	11, 12

Course length	1 year
Prerequisite	Completion of Math II or Math II H with a C or better
Requirement fulfilled	Meets math credit for graduation requirement, Meets UC/CSU A-G requirement, area c

This course begins with a study of functions and their inverses. The idea of inverses will be used to explore logarithms. Students then explore polynomial and rational expressions and functions. After that, students study geometry and periodic behavior. That leads to the study of trigonometry. The final unit is a study of statistics. Modeling will be used throughout the course.

### **Math III Honors**

Course number	2223H
Grade level	11
Course length	1 year
Prerequisite	Completion of Math I-Honors and Math II-Honors with a C or better
Requirement fulfilled	Meets math credit for graduation requirement, Meets UC/CSU A-G requirement, area c

This course covers all of the topics in Math III. However, this course moves at a faster pace. It also covers additional topics, such as natural logarithms, additional topics in trigonometry, complex numbers, polar coordinates, parametric equations. Students who pass all three Honors math classes with a C or better will be ready to enroll in AP Calculus.

### **Pre-Calculus**

Course number	2008
Grade level	11, 12
Course length	1 year
Prerequisite	Completion of Math III or Math III Honors
Requirement fulfilled	Meets math credit for graduation requirement, Meets UC/CSU A-G requirement, area c

Pre-Calculus covers the study of functions, including polynomial, exponential, and circular and trigonometric functions and their combinations. The course also covers analytic geometry, including vectors in a plane and in space, angles, lines, systems of equations, and conic sections. This course covers all Trigonometry Standards as well as some standards for Mathematical Analysis. May be taken once for credit.

### **AP Calculus**

Course number	2009
Grade level	11, 12
Course length	1 year
Prerequisite	Completion of Math III Honors or Pre-Calculus
Requirement fulfilled	Meets math credit for graduation requirement, Meets UC/CSU A-G requirement, area c

*Students may earn college credit upon successful completion of the Advanced Placement Test.*

Topics of AP Calculus include limits, derivatives, integrals, and applications of each. This course covers all of the standards for Calculus and all topics for the AP Calculus AB test. Students are encouraged to take the Advanced Placement Test in May.

### **Survey of Math**

Course number	2021
Grade level	12
Course length	1 year
Prerequisite	Completion of Math III or Math IIIH with a C or better
Requirement fulfilled	Meets math credit for graduation requirement, Meets UC/CSU A-G requirement, area c

This course is intended for students who require a broad-based overview of mathematics, especially those who plan to major in liberal arts or other fields not explicitly related to math. However, this class is also a good foundation for students who do plan to major in mathematics and can be taken along with AP Calculus. The course emphasizes problem solving and critical thinking skills. Topics include Algebra, Geometry, Sets, Logic, Number Systems, Number Theory, Mathematical Systems, Consumer Math, Probability, and Statistics. This course reemphasizes some Algebra, Geometry, Probability, and Statistics Standards, while exploring some topics, which do not have standards.

### **SDC Math 1**

Course number	2222S
Grade level	9,10,11,12
Course length	1 year
Prerequisite:	Per IEP team decision
Requirement fulfilled	Meets graduation requirement for 1 year of math.

This course is an entry level math class that focuses on the foundational elements of mathematics. The course covers the four basic operations of math, fractions, mathematical measurements, reading graphs, money applications, and an entry level into basic algebra and geometry.

## **Music**

### **Band**

Course number	7010
Grade levels	9, 10, 11, 12
Course length	1 Year
Prerequisite	N/A
Requirement fulfilled	Fine Arts requirement or elective credit toward graduation, UC/CSU A-G requirement, area f

Band is a yearlong, performance-based class for students who wish to increase skills on standard wind and percussion instruments. While no previous experience is necessary to join band, the class is primarily designed for those students who have at least one-year's experience on a wind or percussion instrument and can already read standard musical notation. Enrollment in Band automatically places students in the Orestimba High School Marching Band for the fall competition season (August through November). Participation in outside performances and competitions is expected of each student, including weekend and evening performances at various points in the year. Continued development of instrumental technique, increased musicianship skills, and a basic understanding of music theory and music history is emphasized in a concert band setting. Pieces studied and performed will expose students to the wide diversity of both traditional and contemporary wind band literature.

### **Guitar I**

Course number	7013
Grade levels	9,10,11,12
Course length	1 Year
Prerequisite	N/A
Requirement fulfilled	Fine Arts requirement or elective credit toward graduation, UC/CSU A-G requirement area f

Guitar I is a yearlong course designed for students with little to no previous guitar experience. Students will receive guidance and direction in solving problems related to playing the guitar at a beginning level and will learn many of the different styles, skills, and techniques required to become a successful guitarist. Areas of concentration include correct posture and playing position, standard notation forms (chord/lead sheets, tablature, and staff notation), aural skills, flat-picking, singing songs, rhythmic patterns, chord progression, fingerpicking styles, musical forms, and performing experiences.

### **Intro to Piano**

Course number	7991
Grade levels	9,10,11,12
Course length	1 Year
Prerequisite	N/A
Requirement fulfilled	Fine Arts requirement or elective credit toward graduation, UC/CSU A-G requirement area f

Intro to Piano is a yearlong course designed for students with little to no previous experience playing piano. Students will receive guidance and direction in solving problems related to playing the piano at a beginning level and will learn different skills and techniques needed to become a successful pianist. Areas of concentration include correct posture and playing position, basic music notation and theory, rhythmic patterns, aural skills, musical forms, and performing experiences.

### **Music Tech**

Course number	7110
Grade levels	9,10,11,12
Course length	1 Year
Prerequisite	N/A
Requirement fulfilled	Meets elective or Computers/Technology credit for graduation, UC/CSU A-G requirement area f

Intro to Music Tech is a yearlong, introductory course designed to introduce students to contemporary musical concepts through the use and creation of digital audio, MIDI, and various multimedia applications. Students will gain insight and understanding of the processes used to create music in today's society. Programs used will include Apple's GarageBand software, Audacity, Note flight, and ProTools. Careers in the music recording industry will be explored as well.

## **Physical Education**

### **9<sup>th</sup> Physical Ed**

Course Number	2505
Grade levels	9,10,11,12

Course length 1 Year  
Prerequisite N/A  
Requirement fulfilled Physical Education requirement toward graduation

This course is required for all freshman. 9<sup>th</sup> grade Physical Education is designed to practice and develop skills in activities, through individual sports, dual sports and fitness activities that will promote the pursuit of lifelong health and physical well-being. Early in the fall, students will be assessed in the following fitness areas: cardiovascular fitness, flexibility, muscular strength, muscular endurance and body composition. From these assessments, we will develop a baseline in which we will use to set personal fitness goals. We will explore fitness activities designed to improve all areas of fitness. Our goal is that by the end of the year, students will improve on their fitness levels and meet the state requirement of passing 5/6 fitness tests. (Beginning in the fall of 2007, it became a state requirement that students must pass 5/6 fitness tests, or they must continue to take physical education each subsequent year until passing the tests.) Students will also be introduced to life-long activities to increase their likelihood of exercising in the future. Students will understand the benefits that regular exercise can provide for a person's mental, physical and social health.

### **Physical Education**

Course number 2502  
Grade levels 10,11,12  
Course length 1 Year  
Prerequisite N/A  
Requirement fulfilled Physical Education requirement toward graduation

This course is designed to educate physical education students on the concepts of a healthy lifestyle using the knowledge of movement skills, fitness skills, cardiovascular skills, game activities, lifetime game skills and team sports skills. There is also the added component of growing social skills through an interactive atmosphere with their peers. Students will grow in the knowledge of their own personal fitness and learn the skills to improve their personal fitness both mentally and physically while developing the social skills necessary to flourish in the 21<sup>st</sup> Century.

### **Weight Training**

Course number 2503  
Grade levels 11,12  
Course length 1 Year  
Prerequisite Completion of 9<sup>th</sup> Physical Ed, Physical Ed  
Requirement fulfilled Physical Education requirement toward graduation

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the fundamentals of weight training, strength training, aerobic training and overall fitness training and conditioning. The course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges and develop positive behaviors in fitness, wellness, and movement activities for life.

## **SCIENCE**

### **AP Biology**

Course number 3011A  
Grade level 11, 12  
Prerequisite Success completion of Biology with a grade of C or better  
Course length 1 year  
Requirement fulfilled Biology Science for graduation, Meets UC/CSU A-G requirement, area d

AP Biology: Advanced Placement Biology explores Biology at all levels, from the chemical nature of life to its organization at the level of cells, organs, organ systems, organisms, and the ecology of living things. The course meets the guidelines outlined in the College Board's AP Biology Curriculum Framework. The course prepares students for the AP Biology Exam and further life science education educational pursuits. Successful completion of this course with a letter grade of C or better fulfills one year of Laboratory Science ("d")/Biology/Life Sciences.

### **Anatomy & Physiology**

Course number 3520  
Grade level 11, 12  
Prerequisite Biology  
Course length 1 year  
Requirement fulfilled Biology Science for graduation, submitted for UC/CSU A-G requirement, area d

Anatomy & Physiology is a one-year lab-oriented course, which is devoted to the study of the human body systems. Each system is discussed in relationship to its structure and function. Health is given major consideration with respect to body functions, and all systems are demonstrated to interrelate in the total functioning of the human body.

### **Biology**

Course number 3011  
Grade level 10  
Prerequisite N/A  
Course length 1 year  
Requirement fulfilled Biology Science for graduation, Meets UC/CSU A-G requirement, area d

Biology is a laboratory science course designed for the college bound student emphasizing students' ability to demonstrate their knowledge of biological principals within the context of the Science and Engineering Practices as described in the Next Generation Science Standards. The course examines life on earth and spirals in scale, starting with ecosystems, progressing into connections within ecosystems, describing the cycling of matter in the important life processes of photosynthesis and respiration, while also emphasizing the nonliving parts of these cycles.

### **Chemistry**

Course number 3501  
Grade level 10, 11, 12  
Prerequisite Math 1, grade C or better, Biology, Math II (concurrent)  
Course length 1 year  
Requirement fulfilled Physical science for graduation, Meets UC/CSU A-G requirement, area d

Chemistry is a college preparatory physical science laboratory-based course meeting the requirements of the University of California. The course investigates matter and reactions of matter based on principles disclosed about the elements on the periodic table of elements. Algebraic, other mathematical, and

laboratory skills will be taught, strengthened, and utilized as the theories of chemistry are presented. Students will need a scientific calculator with exponent and log capabilities for homework and class work.

### **Environmental Science**

Course number	3503
Grade level	9, 10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Physical sci. for graduation, Meets UC/CSU A-G requirement, area d

Environment Science is designed to provide students with a solid foundation in environmental science topics, scientific techniques, data analysis, and critical scientific thought. During the course, students will analyze natural systems, explore natural and anthropogenic problems in the environment, and critically evaluate or design solutions for reducing, prevention, or solving the identified problems.

### **Physics**

Course number	3502
Grade level	11,12
Prerequisite	Completion of Math I with a C or better; concurrent enrollment or completion of Math II with a C or better
Course length	1 year

Requirements fulfilled Grade Science for graduation, Meets UC/CSU A-G requirement, area d

This course presents the fundamental laws of physics, laws of motion, mechanics, dynamics, wave dynamics and electromagnetism. The course also develops problem solving techniques. Students are exposed to laboratory experiences to reinforce physics principles.

## **Social Sciences**

### **World Civilizations**

Course number	1511
Grade level	10
Course length	1 year
Prerequisite	None
Requirements fulfilled	Social Sci. requirement for graduation, Meets UC/CSU A-G Requirement area a

In this course students examine major turning points in the shaping of the modern world from the late eighteenth century to the present. The year begins with an introduction to current world issues and then continues with a focus on the expansion of the West and the growing interdependence of people and cultures throughout the world.

### **World History AP**

Course number	1511A
Grade level	10
Course length	1 year
Prerequisite	Recommend: Grade of B or better in English 9 or 9T
Requirements fulfilled	Social Sci. requirement for graduation, Meets UC/CSU A-G Requirement area a

In this course students examine major turning points in the shaping of the modern world from the late eighteenth century to the present. The year begins with an introduction to current world issues and then continues with a focus on the expansion of the West and the growing interdependence of people and cultures throughout the world. However, this is an honors level course which means the course will move much faster, the lessons will be more in-depth, and additional readings, supplements, and homework assignments will be more challenging.

### **United States History**

Course number	1507
Grade level	11
Course length	1 year
Prerequisite	None
Requirements fulfilled	Social Studies requirement for graduation, Meets UC/CSU A-G Requirement area a

This course includes the study of American history from European beginnings to the present. Students are given the opportunity to learn about history from both primary and secondary sources while tracing political, economic, social, and cultural developments. The course also prepares the student to assume adult citizenship responsibility.

### **AP United States History**

Course number	1507
Grade level	11
Course length	1 year
Prerequisite	Recommended: Grade of B or better in World Civ or World Civ Honors
Requirements fulfilled	Social Studies requirement for graduation, Meets UC/CSU A-G Requirement area a

Advanced Placement United States History is a thematic approach to U.S. History designed to develop the analytical skills and factual knowledge necessary to deal critically with historical material, issues, events, trends and people who have influenced the United States from the pre-colonial period through the present administration. It will include simulations, debates, document-based essay writing, projects and research to help students develop a well rounded understanding of history and to prepare for the AP test in U.S. History. This course is a college-level class, however, it fulfills the junior level Social Studies requirement for graduation. It is also open to seniors (with the permission of the instructor) as an elective class.

### **Economics**

Course number	1509
Grade level	12
Course length	1 semester
Prerequisite	N/A
Requirements fulfilled	Social Studies requirement for graduation, Meets UC/CSU A-G Requirement area a

This class is a study on the structure and functions of the American Economics system of its relation with other world systems. It is designed to equip students with the knowledge to help them reason objectively and independently about Economic problems such as inflation and recession in our system.



### **American Government**

Course number	1510
Grade level	12
Course length	1 semester
Prerequisite	None
Requirements fulfilled	Social Studies requirement for graduation, Meets UC/CSU A-G Requirement area a

This course is a study of economic, social, and political problems of federal, state, and local governments, including: ideological backgrounds, political theories, knowledge of social and economic forces and institutions with stress of significant citizenship responsibilities.

### **Human Geography**

Course number	1501B
Grade level	11,12
Course length	1 year
Prerequisite	World Civilization or World History AP
Requirements fulfilled	Meets elective requirement for graduation, Meets UC/CSU A-G Requirement area g

Human Geography as a Social Science elective. Human Geography will lead students to be more geo-literate while building their global citizenship, and environmental stewardship. This course will not only allow students the opportunity to learn how to engage in the discipline of geography by using and interpreting maps and geospatial technologies, but expose students to the contemporary patterns and processes of human movement and behavior on the planet through a thematic study of global politics, migration, urbanization, agricultural methods and food consumption, culture, religion, and economic development.

### **Support Classes**

#### **Academic Literacy**

Course number	6012
Grade level	10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Elective credit for graduation

In this course, students work independently using the online learning program, Fuel Education, to make up coursework for graduation and college purposes. Students will complete needed coursework for credit recovery and/ or graduation purposes as scheduled by the counseling department. Students and teacher set goals and deadlines for course completion to help students stay on track for meeting educational requirements and goals. Students will exit the Academic Literacy course before graduation having fulfilled and recovered all outstanding credits.

#### **ELD 1 and 2**

Course number	1010
Grade level	9, 10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	English credit for graduation

Newcomers to the United States whose first language is not English take these classes to assist in the acquisition of the four basic language skills in English: Listening, Speaking, Reading and Writing. Students practice grammatical forms orally, read short stories and novels, and write essays.

The goal is that students will improve at least one ELD level, as measured by their CELDT scores and progress monitoring assessments to determine proficiency towards CA English Language Development standards. The curriculum uses a wide variety of material will be used for instructional purposes. Material will include, but not be limited to, teacher made materials, various literary novels, videos and audio tapes, etc.

### **Literacy Support**

Course number	9003
Grade level	9, 10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation, may count towards English credits for graduation

In this course, students work on further developing their English language skills in the areas of reading, writing, listening, and speaking in support of their primary English course. This course will focus on a number of strategies and supports to further assist students in developing literacy skills. Students will be learning grammar skills, acquiring academic vocabulary, utilizing a number of reading strategies to improve comprehension and a focus on writing skills development. Students will be able to express in their ideas, thoughts, and feelings through these various forms of communication. Students will also be directly supported in the ELA coursework when applicable.

### **Resource**

Course number	7500
Grade level	9, 10, 11, 12
Prerequisite	Per IEP team decision
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation

This course is designed to provide Resource and Special Day students with a quiet and supportive learning environment. This time is used to cover their academic, transitional/vocational and behavior goals as written in their IEPs. Students learn organizational study skills and how to monitor their grades in PowerSchool. Upon request/as needed, students are given study tools (flash cards, manipulatives, organizers, binders, folders, etc.) to better prepare them for academic success at the high school level.

### **Study Hall-Skills**

Course number	1036 F
Grade level	9, 10, 11, 12
Prerequisite	N/A
Course length	1 year
Requirement fulfilled	Meets elective credit for graduation

This course is designed to provide instruction on study skills, time management, organization techniques, and other personal management skill students should develop for life-long success. Students can expect a very quiet atmosphere, assistance if necessary, and are expected to utilize class time efficiently as the focus is to complete school work. Students will work on credit recovery courses as needed to meet graduation requirements.