

*HERITAGE
PATRIOTS*



Course Catalog

2019-2020

*Heritage High School
101 American Ave.
Brentwood, CA 94513
(925) 634-0037
www.luhsd.net/heritage*

Heritage High School



Administration

Carrie Wells, *Principal*

SLC – A

Danielle Winford, *Assistant Principal*
Kayla Morgan, *Counselor (A1)*
Jenna Tioseco, *Counselor (A2)*

SLC – C

Hugh Bursch, *Assistant Principal*
Mallu Moore, *Counselor*

SLC – B

Julene MacKinnon, *Assistant Principal*
David Campos, *Counselor*

SLC – D

Chris Lonaker, *Assistant Principal*
Jackeline Valdez, *Counselor*

Liberty Union High School District



Eric Volta*Superintendent*

Table of Contents

Mission and Vision Statement	pg 5	<u>COURSE DESCRIPTIONS:</u>	
SLOs (Student Learning Outcomes)	pg 5	CAREER / TECHNOLOGY	pg 21
SLCs & Academy Pathways	pg 6	ENGLISH	pg 24
Technology Academy	pg 6	MATH	pg 26
Health Academy	pg 8	PHYSICAL EDUCATION	pg 28
Arts and Entrepreneurial Academy	pg 9	ROP COURSES	pg 29
Public Service Academy	pg 10	SCIENCE	pg 31
Class Change Policy	pg 11	SOCIAL SCIENCE	pg 33
The Home as a Learning Center	pg 11	VISUAL & PERFORMING ARTS	pg 36
- Tips for Parents		WORLD LANGUAGES	pg 42
English Learners Program	pg 12	NON-DEPARTMENTAL	pg 43
Special Education	pg 12		
Advanced Placement (AP) Classes	pg 14		
Regional Occupational Program (ROP)	pg 14		
UC-CSU Eligibility Requirements	pg 15		
The “a-g” List	pg 17		
NCAA Core Course List	pg 18		
Graduation Requirements for HHS/LUHSD	pg 19		
Community College Credits	pg 19		
Sample Schedules	pg 20		
Student Four Year Plan Worksheet	pg 21		
LMC Articulation	pg 21		

Heritage High School Mission Statement

Heritage High School is dedicated to empowering students to become life-long learners, committed to Honesty, Equality, Respect, Integrity, Trust, Achievement, Generosity and Excellence. All classrooms will provide a student-centered, rigorous, relevant and innovative standards-based curriculum developed in a professional learning community. We are committed to prepare our students to be productive citizens in a global community using career academies, enhanced extracurricular activities, and instructional technology.

Vision Statement

Heritage High School will create an effective cross-curricular professional learning community to promote the mastery of the common core standards. Through collaboration, reflection and analysis of student learning, our PLC will ensure students achieve their academic potential in preparation for college and careers. Staff members, students and parents will create a safe and supportive environment in which all students become productive life-long learners that impact the community in a positive way.

Student Learning Outcomes

Student Goals

What will I learn at Heritage?

Academic Standards:

Students will demonstrate academic proficiency by meeting the common core and state content standards in preparation for their post-secondary endeavors.

Research and Technology:

Students will demonstrate proficiency in using various resources and technology to conduct research, test hypotheses and solve problems.

Critical Thinking:

Students will demonstrate an ability to think critically and creatively, work collaboratively and independently, and take responsibility for their thoughts and actions.

Communication:

Students will develop effective communication skills through critical and reflective reading, writing, speaking and listening.

Citizenship:

Students will demonstrate an understanding of social responsibility and will respect diversity in the school community and the larger society.

Small Learning Communities & Academy Pathways

Heritage High School faculty and staff are excited about our Small Learning Community (SLC) model. Heritage High School has four SLC's, SLC-A, B, C, and D. Each SLC is overseen by a counselor and an assistant principal.

Goals for our small learning communities are:

- ◆ Develop and Monitor High Academic Standards.
- ◆ Encourage Students and Teachers to build trusting relationships.
- ◆ Promote Professional Collaboration among the teaching staff.

All students have the opportunity to select one of the following four career academies. These consist of a strand of elective courses to support the student with their post-secondary goals. These pathways are optional. Students may enroll in these elective courses regardless if they "join" an academy.

- ◆ Technology Academy
- ◆ Arts and Entrepreneurial Academy
- ◆ Health Academy
- ◆ Public Services Academy

Your high school is committed to providing many pathways and options which will help you plan and prepare for your future after graduation. Our academy programs are designed around broad career interests to fit your personal educational needs and goals, whether you are planning to enroll in college, enter technical training, or take your place in the world of work after you leave Heritage.

The purpose of our academies is to prepare you for future success and make school more meaningful. By choosing an academy related to your interests, you will be able to complete an academic program which is related to the world outside of school. An academy will also connect you to a small "family" of students and teachers.

Technology Academy

Academy Overview:

- The Technology Academy provides a program of study for students who are interested in Engineering, Software and Computer Technology.

Academy Industry Sectors and Pathways:

The Engineering Pathways were devised for students with an interest in drafting, architecture, civic engineering, mechanical engineering, and/or robotics.

- Engineering and Architecture Industry Sector - Engineering Design Pathway**
- Engineering and Architecture Industry Sector – Engineering Technology Pathway**

The route of Information and Communication Technologies Industry Sector was designed for students interested in computer programming, repair, system management and related fields.

- Information and Communication Technologies Industry Sector –Information Support and Services Pathway**
- Information and Communication Technologies Industry Sector- Software and Systems Development Pathway**

Academy Certification:

- Students will receive a graduation medallion for completing the required coursework for an academy pathway.

Engineering and Architecture Industry Sector - Engineering Design Pathway	Engineering and Architecture Industry Sector – Engineering Technology Pathway	Information and Communication Technologies Industry Sector –Information Support and Services Pathway	Information and Communication Technologies Industry Sector- Software and Systems Development Pathway
<p>Required courses:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Jumpstart to Engineering <input type="checkbox"/> Design/Drafting I/II <input type="checkbox"/> ROP CADD/CADD <p><u>Plus 20 credits from the following:</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Physics/AP Physics <input type="checkbox"/> AP Statistics/Statistics <input type="checkbox"/> AP Calculus/Calculus <input type="checkbox"/> Chemistry <input type="checkbox"/> Biotechnology <input type="checkbox"/> Design I <input type="checkbox"/> ROP Publications 	<p>Required courses:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Jumpstart to Engineering <input type="checkbox"/> ROP Robotics Engineering I/II <p><u>Plus 20 credits from the following:</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Physics/AP Physics <input type="checkbox"/> ROP CADD/CADD <input type="checkbox"/> AP Computer Science A <input type="checkbox"/> Design/Drafting I/II 	<p>Required courses:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Exploring Computer Science <input type="checkbox"/> Comp. Service/Repair I <input type="checkbox"/> Comp. Service/Repair II <p><u>Plus 20 credits from the following:</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> AP Computer Science A <input type="checkbox"/> ROP Robotics Engineering I <input type="checkbox"/> Physics/AP Physics 	<p>Required courses:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Exploring Comp Science <input type="checkbox"/> Computer Programming <input type="checkbox"/> AP Comp. Science A <p><u>Plus 20 credits from the following:</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Comp. Service and Repair I/II <input type="checkbox"/> ROP Robotics Engineering I/II <input type="checkbox"/> AP Calculus

- All Academy students are recommended (though not required) to take Academy Internship during their senior year. See counselor or Academy Coordinator for details.

Health Academy

Academy Overview:

- The **Health Academy** will provide a program of study for students who are interested in learning about careers in areas involving Health Sciences. The Health Academy will provide students with the foundation to pursue careers in fields where they can enhance people’s lives, improve the health of families and neighbors, and strengthen the social fabric of the community.

Academy Pathways:

- The **Health Science Pathways** relates to careers including nursing, medical and veterinary doctors, and other medical fields. An estimated 20% of all jobs in the next decade will be in the Health field.

Academy Certification:

- Students will receive a graduation medallion for completing the required coursework for an academy pathway.

Health Science and Medical Technology Industry Sector- Patient Care Pathway	Health Science and Medical Technology Industry Sector- Biotechnology Pathway
<p><u>Required courses:</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> First Aid/CPR Certificate <input type="checkbox"/> Sports Med <input type="checkbox"/> Advanced Sports Med/ <p><i>Plus 30 credits from the following:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> AP Chemistry <input type="checkbox"/> Anatomy/Physiology <input type="checkbox"/> Athletics Mgmt. <input type="checkbox"/> Biotechnology <input type="checkbox"/> Health Careers Core <input type="checkbox"/> Psychology/AP Psychology 	<p><u>Required courses:</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> First Aid/CPR Certificate <input type="checkbox"/> Health Careers Core <input type="checkbox"/> Biotechnology <p><i>Plus 30 credits from the following:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> AP Chemistry <input type="checkbox"/> Anatomy/Physiology <input type="checkbox"/> AP Biology <input type="checkbox"/> AP Calculus <input type="checkbox"/> Speech & Debate

- **All Academy students are recommended (though not required) to take Academy Internship during their senior year. See counselor or Academy Coordinator for details.**

Arts and Entrepreneurial Academy

Academy Overview:

- The **Arts and Entrepreneurial Academy** gives students the opportunity to explore functional design as well as aesthetics. This Academy was developed for students who are interested in the digital arts, video, web design and how these technologies can be used to further an art or business career.

Academy Certification:

- Students will receive a graduation medallion for completing the required coursework for an academy pathway.

Business and Finance Industry Sector – Business Management Pathway	Arts, Media, and Entertainment Industry Sector – Design, Media, and Visual Arts Pathway	Arts, Media, and Entertainment Industry Sector – Production and Managerial Arts Pathway –Video	Arts, Media, and Entertainment Sector-Visual/Commercial Art Pathway
<p>Required courses:</p> <input type="checkbox"/> Business Communications <input type="checkbox"/> Business & Personal Finance <input type="checkbox"/> Virtual Enterprise	<p>Required courses:</p> <input type="checkbox"/> Design I <input type="checkbox"/> Design II	<p>Required courses:</p> <input type="checkbox"/> Intro to Broadcasting <input type="checkbox"/> Art of Video Production <input type="checkbox"/> ROP Broadcasting/HBN <input type="checkbox"/> ROP Adv. Video Production	<p>Required courses:</p> <input type="checkbox"/> Intro to Mass Media <input type="checkbox"/> Journalism <input type="checkbox"/> Publications
<p><u>Plus 20 credits from the following:</u></p> <input type="checkbox"/> Intro to Mass Media <input type="checkbox"/> ROP Adv. Video Productions <input type="checkbox"/> ROP Broadcasting <input type="checkbox"/> Intro to Broadcasting <input type="checkbox"/> Computer Keyboarding <input type="checkbox"/> Microsoft Office <input type="checkbox"/> Statistics/AP Statistics <input type="checkbox"/> Financial Algebra	<p><u>Plus 30 credits from the following:</u></p> <input type="checkbox"/> Intro Art History <input type="checkbox"/> AP Art History <input type="checkbox"/> Intermediate Art <input type="checkbox"/> Advanced Art <input type="checkbox"/> Ceramics I/II <input type="checkbox"/> AP Studio Art <input type="checkbox"/> ROP CADD/CADD	<p><u>Plus 20 credits from the following:</u></p> <input type="checkbox"/> Intro to Mass Media <input type="checkbox"/> PADA/Video Internship <input type="checkbox"/> Literary Analysis <input type="checkbox"/> Literary Analysis of Film <input type="checkbox"/> Creative Writing <input type="checkbox"/> ROP Digital Recording <input type="checkbox"/> Screenwriting	<p><u>Plus 20 credits from the following:</u></p> <input type="checkbox"/> Literary Analysis <input type="checkbox"/> Literary Analysis of Film <input type="checkbox"/> Speech & Debate <input type="checkbox"/> Creative Writing <input type="checkbox"/> ROP Digital Recording <input type="checkbox"/> Screenwriting <input type="checkbox"/> Intro to Broadcasting <input type="checkbox"/> ROP Adv. Video Production <input type="checkbox"/> ROP Broadcasting/HBN

- All Academy students are recommended (though not required) to take Academy Internship during their senior year. See counselor or Academy Coordinator for details.

Heritage High School Class Change Policy

Academy Overview:

- The **Public Service Academy** comprises course offerings and internships for students interested in subjects ranging from law, police services, civics, leadership, history, child development, education and service to the community.

Academy Pathways:

- **The Public Service Sector and Academy** is for students interested in careers in legal fields such as police, attorney, and forensics or in local, state, or federal economics, politics and government, social and civil services, or security careers.
- **Education, Child Development, and Family Services Industry Sector** is for students interested in careers involving teaching or working with children.

Academy Certification:

- Students will receive a graduation medallion for completing the required coursework for an academy pathway.

<p style="text-align: center;">Public Service Sector-Legal Practices Pathway</p> <p>Required courses:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Foundations of Law, Gov and Public Services <input type="checkbox"/> Law Enforcement Careers (Articulated with LMC A.J. 110) <input type="checkbox"/> Mock Trials, Moot Courts and Trial Advocacy <p><i>Plus 20 credits from the following:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Leadership <input type="checkbox"/> Child Development <input type="checkbox"/> Speech and Debate <input type="checkbox"/> AP Literature <input type="checkbox"/> Air Force JROTC 1,2,3,4 <input type="checkbox"/> ROP Fire Science <input type="checkbox"/> AP World History <input type="checkbox"/> AP US History <input type="checkbox"/> AP Government & US Politics <input type="checkbox"/> AP Economics 	<p style="text-align: center;">Education, Child Development, and Family Services Industry Sector- Child Development Pathway</p> <p>Required courses:</p> <ul style="list-style-type: none"> <input type="checkbox"/> First Aid/CPR <input type="checkbox"/> Child Development <input type="checkbox"/> Teaching & Learning Careers Internship <p><i>Plus 30 credits from the following:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> World Cultures <input type="checkbox"/> Foundations of Law, Gov and Public Services <input type="checkbox"/> Speech and Debate <input type="checkbox"/> AP Human Geography <input type="checkbox"/> Psychology/AP Psychology <input type="checkbox"/> Sociology
---	--

- **All Academy students are recommended (though not required) to take Academy Internship during their senior year. See counselor or Academy Coordinator for details.**

- I. Class changes are made for academic misplacement or computer errors only. All class change requests must be made within the first 3 weeks of the semester. Changes made after 3 weeks will result in a Withdraw-F (WF) for the remaining semester.
- II. Teacher changes for academic reasons- no teacher change will be initiated until the subsequent steps have been followed in progressive order, as stated below.

STEPS

1. The student meets with the teacher to discuss problem areas. This should be done as soon as possible. Tutoring or extra help should be arranged. It is the student's responsibility to arrange for a meeting.
 2. A parent makes contact with the teacher and discusses steps that need to occur in order for their child to be successful in that class. Reasonable effort should be made by the student to meet the expectations of this discussion.
 3. A parent makes contact with their student's counselor to discuss the student's progress. The parent should be prepared to discuss steps that have been taken in order to help their child meet class expectations.
 4. A phone contact and written formal request is submitted to the Assistant Principal.
 5. A meeting should be arranged with the Assistant Principal, parent, and student. The parent should be ready to bring copies of student work to present to the Assistant Principal.
 6. Unresolved issues with the Assistant Principal can be referred to the Principal.
- III. If a class/ teacher change is made, the student's current class grade (class %) will transfer with the student from their old class to their new placement.

Design a home learning environment that is appropriate to your student's learning style:

- √ Identify the physical space where studying and quiet reading can occur.
- √ Secure the resources (e.g. paper, pens dictionary, etc.) that your student will need.

The Home as a Learning Center - Some Tips for Parents

- √ Establish a routine time for homework and special class projects and allow for balanced leisure activities.
- √ Promote effective time management skills allowing attention to all subjects and planning for long-range projects (book reports, essays).
- √ Encourage games and leisure time activities that require reasoning, computation, and problem solving skills. Allow your child to participate in building things, fixing things, cooking, and related tasks.
- √ Monitor television (and Internet) watching and encourage viewing that can compliment the education experience.
- √ Two books some parents have said helped in raising adolescent children...Authors: Jane

Nelson & H. Stephen Glenn, "Raising Self Reliant Children in a Self Indulgent World." Peter Bensen & Judy Galbraith and Pamela Espeland, "What Kids Need to Succeed: Proven Practical Ways to Raise Good."

English Learners Program

The goal of the English Learners (EL) program is to help non-English speaking students to acquire fluency as quickly as possible. To that end, students are placed in English Language immersion classes each day. With proper effort on their part, a student can usually move from level to level in one-half year. While they are at the beginning stages of acquiring English, every effort is made to place them in elective and required courses that provide a reasonable opportunity for success.

A counselor schedules the students identified as early level English Learners into classes. The structure of these classes is carefully planned for the rapid acquisition of English as well as a smooth transition into an American high school.

In addition, a group of Heritage staff (EL Support Team) work together as a personal liaison with many of our non-English speaking families. It is hoped that this personal connection will encourage and improve the participation of these families with the school.

Special education staff meet with other school personnel and parents to decide appropriate high school supports and services for students with disabilities. Each student's disability is reviewed with placement and services based on the student's unique specific needs. All placements and services must have approval of the IEP team and an Individualized Educational Plan must be

Special Education

written before students receive any special education support or related services.

The Excel Program provides services to students with special needs working towards earning a high school diploma through the instructional support model. The instructional support may be provided to students within a general or special education setting based on the student's level of need and goals. Examples of instructional support include collaboration between general and special education teachers, co-taught classes with both general and special education teachers providing instruction, special education classes utilizing modified core curriculum, and specialized remediation classes targeting a specific area (i.e. reading, math, transition).

The Life Skills Program is designed to support students receiving specialized academic instruction with an emphasis on functional academics. Core instruction includes: mathematics, language arts, science, health, and social science. Curriculum is delivered based on IEP goals and modified to accommodate a variety of learning styles and abilities. Student engagement and making sense of their world is key in instruction. Skills developed include: money management, telling time, measurement, and reading and comprehending functional text. Additional emphasis is placed on developing social and independent living skills and incorporating community based instruction providing students with real life experiences. Student participate in general education classes as determined by their IEP teams. Upon

Advanced Placement (AP) Classes

completion of the program, students participate in Commencement and are awarded a Certificate of Completion.

The Matrix Program is designed to support students who require additional social-emotional and mental health support. Students receive instruction in a counseling enriched small group environment. Student may have one class or several classes in the Matrix Program depending on the student's level of need. Group or individual counseling is embedded in the program.

- Advanced Placement classes are college level classes open to 9-12 grades (see prerequisites). These courses will challenge the student and prepare them for collegiate studies.
- LOTS OF READING, WRITING, AND HOMEWORK
- Students will take AP exams near the end of the year. If they pass any exam with a 3 (out of 5) or higher, many colleges will waive one or more collegiate requirement or courses. See individual colleges for specifics.
- Students who receive a C or higher grade in the AP class will receive an extra grade point average (e.g., A=5 gpa points, B=4 gpa points).
- Advance Placement course changes may be done up until the first nine weeks of a semester.
- See the Course Request Sheets for the AP course currently offered at HHS.
- For more information about the AP program, search the web at www.collegeboard.com.

WHAT IS ROP?

Operated by the Contra Costa County Office of Education, ROP has been the primary source of career training for high school students in our county for the past 33 years. State certified teachers, high tech equipment and a commitment to students ensure a positive learning experience.

ROP Student Programs (Regional Occupation Program)

Located on high school campuses, ROP courses are taken as part of a student's regular high school schedule. Students advance through 90-540 hours of sequenced curriculum and earn high school graduation credits and/or college units. Students can earn Certificates of Proficiency upon successful completion of the class.

ADVANTAGES OF ROP:

Students can use ROP courses to gain employment skills, explore a career field, get a head start on their college major, or "try out" a career choice through internships available in many classes. Many students use their newly acquired skills to work part-time after graduation to help pay college expenses.

TO ENROLL IN AN ROP CLASS:

Indicate the course on your schedule for next year. Visit www.cocoschools.org/rop for more information.

UC-CSU Comparison of Minimum Eligibility Requirements

California State University (CSU)	University of California (UC)	
HIGH SCHOOL GPA		
Calculate GPA using only “a-g” approved courses taken <i>after</i> the 9th grade, including summer courses. All “a-g” courses and grades must be reported.		
SUBJECT REQUIREMENTS		
Fifteen yearlong college preparatory courses from approved “a-g” list are required:		
11 UC-required college preparatory (“a-g”) courses must be completed prior to senior year (including summer courses)		
“a” History/Social Science	Two years of history/social science, including one year of U.S. history OR one semester of U.S. history and one semester of American government, AND ...	
	One year of history/social science from either the “a” or “g” subject area	One year of world history, cultures and geography from the “a” subject area
“b” English	Four years of college preparatory English composition/literature (including no more than one year of Advanced ESL/ELD courses)	
“c” Mathematics	Three years of mathematics (algebra I and II, geometry); four years recommended*	
“d” Laboratory Science	Two years of laboratory science	
	At least one year of physical science and one year of biological science, one from the “d” subject area and the other from the “d” or “g” area**	Must include at least two of the three foundational subjects of the living earth, chemistry in the earth system, and physics in the universe; both courses must be from the “d” subject area; three years recommended
“e” Language Other Than English	Two years of language other than English (must be the same language, American Sign Language accepted)*	
	Three years recommended	
“f” Visual and Performing Arts	One yearlong course in visual and performing arts (selected from dance, music, theatre/drama and visual arts)	
“g” College Preparatory Elective	One year of an elective chosen from any area on approved “a-g” course list	
Note: Numerous Career Technical Education courses are approved for fulfillment of “a-g” subject requirements.		
HONOR POINTS		
Maximum of eight extra grade points awarded for approved honors, Advanced Placement or International Baccalaureate courses and transferable college courses. No more than two yearlong courses taken in 10th grade can earn honors points.		

*Coursework completed in 7th or 8th grade can be used to satisfy “c” and “e” requirements.

**It is best to prepare for both the UC and the CSU by completing two laboratory courses from the “d” subject area.

California State University (CSU)		University of California (UC)
TEST SCORES – ACT/SAT		
ACT or SAT Reasoning	<p>Test required for CSU applicants to impacted campuses.</p> <p>Test required for CSU applicants to non-impacted campuses, who have earned an “a-g” GPA of less than a 3.0.</p> <p>CSU combines the best critical reading and math scores from multiple sittings of the SAT; may combine the best sub scores from multiple ACT tests to calculate the best composite.</p>	<p>The ACT Assessment plus Writing or the SAT Reasoning Test required for UC applicants.</p> <p>UC uses the highest combined score from a single sitting of the ACT Assessment plus Writing or the SAT Reasoning Test. Some campuses may recommend SAT Subject Tests for specific majors.</p>
VALIDATION OF SUBJECT REQUIREMENTS BY OTHER COURSES		
Mathematics	<p>A grade of C or better in the second semester of a yearlong Algebra course validates a D in the first semester. A grade of C or better in Algebra II validates Algebra I. A grade of C or better in Trigonometry or Pre-calculus validates the entire high school college preparatory requirement. A grade of C or better in Statistics will validate only Algebra I and Algebra II, not Geometry.</p>	
Language Other Than English (LOTE)	<p>A grade of C or better in a higher-level course validates a lower-level course. A higher-level LOTE course can validate the appropriate number of years based on the level. A college course can validate a high school LOTE course. The level of validation depends on the college course prerequisite and description.</p>	
Chemistry in the Earth System	<p>A grade of C or better in the second semester of Chemistry in the Earth System WILL validate a D in the first semester.</p>	<p>A grade of C or better in the second semester of Chemistry in the Earth System WILL NOT validate a D in the first semester.</p>
VALIDATION OF D GRADES IN REQUIRED COURSES		
<p>Required “a-g” courses must be completed with a grade of C or better. Courses in which grades of D are earned must be repeated, EXCEPT in the areas of math and language other than English, where grades of D can be validated by successful completion of higher-level coursework.</p>		
VALIDATION OF SUBJECT REQUIREMENTS BY TEST SCORES		
<p>Required “a-g” courses may be satisfied with appropriate test scores on SAT Subject Tests, Advanced Placement examinations and designated International Baccalaureate exams. A list of acceptable tests and scores is available on UC and CSU websites.</p>		
REPEATED COURSES		
<p>The highest grade will be used in the GPA calculation.</p>		
<p>A course completed with a D or F grade can be repeated only once and should be repeated especially if taken in 10th or 11th grade, with the exception of VAPA courses.</p>		

"a – g" List

The following courses meet requirements (a-g) for admission to the University of California and California State University.

* denotes courses that have been approved for extra honors credit; a=5, b=4, c=3

a-History/ Social Science – 2 years required

American Government	U.S. History	AP European History*
AP U.S. History*	World Cultures and Geography	AP Human Geography*
AP World History *	World History	AP US Government & Politics

b-English – 4 years required

AP English Language and Composition *
 AP English Literature and Composition *
 English 9
 English 10
 English 11
 English 12
 Literary Analysis

c-Mathematics – 3 years required (4 years recommended)

Algebra 1	Statistics	AP Calculus BC *
Algebra 2	Geometry	Financial Algebra
AP Calculus AB *	Intensified Algebra	AP Computer Science A
AP Statistics *	Pre-Calculus	

d-Laboratory Science – 2 years required (3 years recommended for UC)

Anatomy & Physiology	Living Earth (Biology)	AP Environmental Science *
AP Biology *	Biotechnology	
AP Chemistry *	Chemistry in the Earth System	
AP Physics 1*	Physics in the Universe	

e-Language Other than English – 2 years required (3 years recommended for UC)

French 1	French 4	Spanish 3
French 2	Spanish 1	Spanish 4
French 3	Spanish 2	Spanish for Spanish Speakers 2
AP Spanish Language & Culture		

f-Visual & Performing Arts – 1 year required

Acting & Directing Workshop	Beginning Art	Concert Band
Ceramics I	Theatre Arts 1	Advanced Art
Ceramics II	Theatre Arts 2	Theatre Arts 3
AP Art History *	Concert Choir	AP Studio Art: Drawing
AP Studio Art: 2-D Design *	AP Studeio Art: 3-D Design	Design I
Women's Ensemble	Intermediate Art	Intro. To Art History
Design 2	Art of Video Production	Jazz Band
Symphonic Band	Women's Chorus	Orchestra
Select Singers		

g-Elective – 1 year required

AP Psychology *	AP Macroeconomics	Economics
Robotics Engineering Tech. (ROP)	Exploring Computer Science	Introduction to Health Careers
Child Development	Foundations of Law, Govt & Public Service	Speech and Debate
Creative Writing	Journalism	Sports Medicine (ROP)
Journalism (ROP)	Athletics Management	Mock Trials, Moot Courts & Trial Advocacy
Literary Analysis through Film	Sociology	Entomology
Psychology within Society	AP Seminar	Computer Programming
ROP Law Enf./Adm. Of Justice	Teaching & Learning Careers	

Graduation Requirements for HHS / LUHSD

Link to the NCAA approval list website – <https://web1.ncaa.org/hsportal/exec/hsAction>

English

AP Language & Composition
AP Literature & Composition
Creative Writing
English 9, 10, 11, 12
Literary Analysis

Social Science

American Government
AP Economics Macro
AP European History
AP Human Geography
AP Psychology
AP US Government & Politics
AP US History
AP World History
Economics
Mock Trial & Principles of Justice
Psychology within Society
Speech & Debate (1 cr w/other Spch/Deb)
US History
World Cultures & Geography
World History

Mathematics

Algebra 1
Algebra 2
AP Calculus AB
AP Calculus BC
AP Statistics
Geometry
Intensified Algebra
Pre Calculus
Statistics

Natural/Physical Science

Anatomy & Physiology
AP Biology
AP Chemistry
AP Environmental
AP Physics
Living Earth (Biology)
Biotechnology
Chemistry in the Earth System
Entomology
Physics in the Universe

Additional Core Courses

AP Spanish 4
French 1, 2, 3, 4
Spanish 1, 2, 3, 4

Legal Disclaimer: The list of NCAA courses, and courses contained within, are maintained as a guide for prospective student-athletes seeking NCAA initial-eligibility. The list of approved courses does not, nor is intended to, signify accreditation, certification, approval or endorsement of any high school or specific courses by the NCAA or NCAA Eligibility Center and is subject to change at any time and without notice. Core course information included on this Web site is provided for guidance purposes only and should not be solely relied on as an indication of NCAA initial-eligibility. Certification of a prospective student-athlete is case-specific, and the Eligibility Center has the authority to determine in its sole discretion whether the prospective student-athlete has met all criteria.

1. **Minimum GPA Raised to 2.30:** Beginning with the high school graduating class of 2015, the minimum core GPA for incoming college freshmen has been raised from 2.00 to 2.30. Student-athletes who graduate with a core GPA between 2.00 and 2.29 can still receive an athletic scholarship and practice with their teams, but cannot participate in game action as freshmen. A higher SAT/ACT sliding scale is expected to be released soon.
2. **10 Core Courses by Junior Year:** Beginning with the graduating class of 2015, student-athletes will need to complete at least 10 of the 16 core course requirements by the end of their junior year.

Total Credits Required

- 270 credits

Subject Requirements

- **ENGLISH – 40 Credits**
Including:
English 9, 10, 11, 12
- **HISTORY – 30 Credits**
Including:
 1. World History (10 credits)
 2. U.S. History (10 credits)
 3. American Government (5 credits)
 4. Economics (5 credits)
- **MATH - 30 Credits**
Including:
 1. Algebra 1 (10 credits)
 2. Geometry (10 credits)
 3. Additional math course (10 credits)
- **SCIENCE – 20 Credits**
Including:
 1. Physical Science (10 credits)
 2. Life Science (10 credits)
- **VISUAL/ PERFORMING ARTS OR WORLD LANGUAGE – 10 Credits**
- **PHYSICAL EDUCATION - 20 Credits** (including P.E. 9 and P.E. 10)
- **HEALTH - 5 credits**
- **ELECTIVES – 115 Credits**

COMMUNITY COLLEGE CREDITS

Students may choose to enroll in a community college course. Community college coursework may be transferred for elective credits and/or credit for some standards-based courses. For a list of which standards-based courses can be taken or re-taken at the community college for high school credit, please contact your student's counselor. Transfer credit: 1 college unit = 3.3 high school credits. A maximum of 50 high school credits can be accepted.

The Following is a SAMPLE four-year course sequence that meets/exceeds both the requirements for HHS/LUHSD graduation and for college admission:

9th Grade Courses	
DAY "A"	DAY "B"
1) English 9	5) Algebra 1
2) World Language	6) Living Earth (Biology)
3) Health / Foundations for Success	7) Physical Education
4) Study Hall	8) Elective

10th Grade Courses	
DAY "A"	DAY "B"
1) English 10	1) Geometry
2) World History	2) Chemistry in the Earth System
3) World Language 2	3) Physical Education
4) Study Hall	4) Elective (From "g" on "a-g" list)

11th Grade Courses	
DAY "A"	DAY "B"
1) English 11	5) Algebra 2
2) U.S. History	6) Physics in the Universe
3) World Language 3	7) Visual and Performing Arts Elective (from "f" on "a-g" list)
4) Elective (From "g" on "a-g" list)	8) Unscheduled Period

12th Grade Courses	
DAY "A"	DAY "B"
1) English 12	5) Pre-Calculus
2) Economics/American Government	6) Lab Science
3) Elective (From "g" on "a-g" list)	7) Elective (From "g" on "a-g" list)
4) Unscheduled Period	8) Unscheduled Period

* UC recommends exceeding minimum entrance requirements.

* Advanced Placement classes are encouraged if student is eligible to take them.

* Refer to **UC – CSU Comparison of Minimum Eligibility Requirements** for complete UC/CSU entrance requirements and recommendations

NAME:

ID#

CLASS OF:

Grade	Required Courses	Student Courses	Grades	Credits	Graduation / Future Goals Checklist
	English 9	English 9			Post High School Goals:
	Math				

Heritage High School 4 – Year Planning Sheet

9	Science	Living Earth				Supporting Activities: (9-12)
	Physical Education	PE 9				
	Health					
	Elective					
	Elective					
	Elective					
	Elective					
	Elective					
Summer School						Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/ Future Goals Checklist	
10	English 10	English 10				Post High School Goals:
	Math					
	World History	World History				Make Appt. with Career Center
	Science	Chemistry in the Earth System				ACT/SAT Subject Tests
	Physical Education	PE 10				PSAT 10/ PLAN/Mock test
	World Lang./Fine Art					Eureka - <i>Coupon code X7HR2CM</i>
	Elective					CSU Mentor
	Elective					
	Elective					
	Elective					
Summer School						Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/ Future Goals Checklist	
11	English 11	English 11				Post High School Goals:
	Math					
	U.S. History	US History				Make Appt. with Career Center
	Science/ Elective					ACT
	Elective					PSAT
	Elective					SAT Reasoning
	Elective					SAT II Subject Test
	Elective					
	Elective					
	Elective					
Summer School						Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/ Future Goals Checklist	
12	English 12	English 12				Post High School Goals:
	Amer.Gov / Econ.	Gov/ Econ				
	Math/ Elective					
	Science/ Elective					
	Elective					College Bound:
	Elective					ACT
	Elective					SAT Reasoning
	Elective					SAT II Subject Test
Summer School						Community Service: 20 hours
						Total Credits to Date:

LMC Articulation

HHS



LOS MEDANOS COLLEGE

INDUSTRY JOBS	LMC CERTIFICATE or **AA PROGRAM	HHS ACADEMY PATHWAY*	CAREER FIELD
Marketing, Design Studio, Advertising, Fine Artist, Animator. Median salary \$44,000.	Graphic Design	Art and Design	Arts, Media, and Entertainment
Sound Engineer, Musician, Music Producer.	Recording Arts	Mass Communication	Arts, Media, and Entertainment
Industry careers in: Chemical, Refining, Oil and gas, Power, Water Treatment, Steel, Waste Management, Food Processing. Starting salary about \$70,000. Local	Electrical and Instrumentation	Engineering/Architecture	Energy and Utilities
Accountant, Business Manager, Financial Manager,	Business Management	Business and Digital Media	Finance and Business
RN – with specialties in a variety of areas. Median salary \$65,000	Nursing - Registered	Health Science	Health and Human Services
LVN, PT Assistant. Avg salary \$36,000	Nursing - Vocational	Health Science	Health and Human Services
EMT, PT Assistant, Park Ranger. Starting salary \$35,000 - \$50,000	Emergency Medical Services	Health Science or Public Service	Health and Human Services
Programmer, Video Game Design, Animation.	Computer Science	Computer Science	Information Technology
Appliance Technician. Starting salary \$15-\$18 an hour; plus vehicle and benefits	Applied Technology	Green Technology or Engineering/	Manufacturing and Development
Industry careers in: Chemical, Refining, Oil and gas, Power, Water Treatment, Steel, Waste Management, Food Processing. Starting salary about \$50,000. Local job openings.	Process Technology	Green Technology or Engineering/Architecture	Manufacturing and Development
Preschool Teacher, Teacher Aide, Day Care Provider. Starting about \$25,000	Child Development	Recreation or	Public and
Police Officer, Juvenile Rehabilitation, Security Officer, Investigative Assistant.	Administration of Justice	Law and Government	Public Services
Fire Fighter. Avg salary \$74,000	Fire technology	Public Service	Public Services

CAREER/ TECHNOLOGY



Academy Internship with Industry Partners 1090

Grade Level: 12
Length: Year class (10 credits)
Prerequisite: Academy Enrollment
Graduation: Fulfills 10 units of elective credit for graduation

College Prep: Does not apply

This course is designed to provide students with practical, on-the-job learning experiences and an opportunity to develop a range of employability skills in real world settings. Students will develop marketable skills, abilities, attitudes, and work habits that will prepare them to enter the work force directly, continue their education with a focus on technical preparation, or pursue advanced study at the college or university level. The first quarter of instruction is in the classroom; industry partnerships are established for each student and career skills preparation is practiced. The remaining quarter(s) students are assigned to the industry partnership workplace for four hours a week (40 hours) and return to the campus one day a week for seminar instruction.

AP Computer Science A 4747

Grade Level: 10-12
Length: Year class (10 Credits)
Prerequisite: Geometry (prior programming course recommended)
Graduation: Fulfills elective credits.
College Prep: Fulfills ("g") requirement for UC/CSU. Student will receive an extra grade point for grades A-C.

The AP Computer Science course is considered a college level introductory course in computer science. A large part of the course is built around the development of computer programs or parts of programs that correctly solve a given problem. The course also emphasizes the design issues that make programs understandable, adaptable, and, when appropriate, reusable. At the same time, the development of useful computer programs and program modules is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. The AP Computer Science A course utilizes Java.

Business Communication 2295

Grade Level: 9 -12
Length: Semester class (5 Credits)
Prerequisite: Keyboarding
Graduation: Fulfills elective Credits.
College Prep: None

This course is designed to present students with different business scenarios that would require a specific form of

communication, including e-mail, formal letters, presentations and more. Students will learn about different types of business documents and how to communicate effectively in each format. By the end of the course, they will have a solid understanding of the different methods and documents used to communicate effectively and will have a portfolio of sample documents for future reference.

Business and Personal Finance 2215

Grade Level: 10–12
Length: Year class (10 credits)
Prerequisites: Algebra 1; Computer Keyboarding 1 strongly recommended
Graduation: Fulfills elective credits
College Prep: Does not apply

This course introduces students to the world of money management and personal finance. Students will learn to navigate the global financial marketplace that will affect them now and in the future. Topics include: The origins of money, the global marketplace, planning personal finances, banking and credit (including credit card usage), investing (including stock market simulation), protecting finances, business finance, and careers in business and finance.

This class will help students learn to make money, become financially independent, and see how they fit into the world of business and finance.

Child Development 2516

Grade Level: 10- 12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits.
College Prep: Fulfills ("g") requirement for UC/CSU.

The course is a study of the developmental stages of children from conception through adolescence, emphasizing the principle theories of development. Child Development is a course that will enable students to understand how to work with and care for children as they grow. Students will learn how children grow physically, mentally, socially, and emotionally from infancy through adolescence.

Computer Keyboarding 2230

Grade Level: 9 - 12
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Does not apply

This class is intended to provide students who do not know the keyboard with basic keyboarding skills. Using the keyboard is essential for success in a majority of required classes for graduation and for future college/career requirements. Computer Keyboarding will focus on development of proper keyboard technique absolutely necessary for post-graduate success. Students are expected to learn the keyboard by touch method with speed and accuracy. During this course, students will learn to compose and format a variety of documents using word processing software.

Computer Programming

4730

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Geometry or Concurrently enrolled in Geometry
Graduation: Fulfills one year of Math requirement or elective credits

College Prep: Fulfills ("g") requirement for UC/CSU. Computer Programming is designed to focus on problem-solving skills, critical thinking, and computer ethics. It includes the basic concepts of structured programming and top-down design. Students learn to design (structured) algorithms to solve (programming) problems. Although a specific language will be used, the coverage of algorithms and design techniques is general enough to enable the student to use this course as a foundation for structured program solving in any language. The course includes one year of Visual Basic. Structured programming is taught through lectures, demonstration, analysis, and programming projects generally related to math, science, and business.

Design Drafting

4036

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Algebra 1 Recommended (or concurrent enrollment highly recommended)
Graduation: Fulfills Elective Credits
College Prep: Does not apply
Articulated with Diablo Valley College for potential to earn up to 6 units of College credit. Please see Instructor for details.

Design Drafting is a one-year course designed to acquaint students with a pictorial language used throughout industry. The course teaches drafting fundamentals and provides hands-on experience for developing drafting skills and techniques. It is designed to provide the student with a background in basic mechanical and technical drawing. This course helps students develop problem-solving ability, interpret the ideas of others, and express themselves visually in an understandable manner. Drafting provides a wide range of skills that are transferable to many aspects of everyday life. Emphasis is on the basic use of traditional drafting equipment and the understanding of design/drafting principles as they apply, but are not limited to, future pursuits in the architectural and engineering career field.

Intro to Mass Media

3188

Grade Level: 9 - 12
Length: Year class (10 credits - may repeat up to 20 credits max)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Does not apply

This course teaches basic production techniques which focus on copy writing, placement, layout design and continuity, photographic processes, advertising, marketing, sales promotion, and how to meet deadlines. This class offers opportunities in photography, podcasting, online publishing, computer graphics and graphic design. While helping with the current year's yearbook, newspaper, school website and online publications, students will learn to write in a variety of styles and develop hands-on experience with several multi-media venues. (i.e

developing a school calendar, planning yearbook design, publishing the school paper online and learning to use professional grade digital cameras and produce professional quality images).

Intro to Broadcasting

4055

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Does not apply

This is an entry-level course covering all aspects of the broadcast and mass media industries. The history of broadcasting and evolution of the technology as well as the techniques used to deliver the broadcast message will be covered. Topics will include: broadcast and no-broadcast television, cable television, radio, sports and movies as an important form of communication. The study of vocabulary, safety, and basic hands-on production skills will be developed and implemented.

Jumpstart to Engineering

4252

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: Algebra 1 (or concurrent enrollment) highly recommended and Design Drafting (or concurrent enrollment) highly recommended.
Graduation: Fulfills Elective Credit
College Prep: Does not apply

This is an introductory class designed to provide students with a hands-on approach to exploring the connections and relevance of science, engineering, and technology in science. The main component to this class is the design, construction, and analysis of several long term projects, using computers as part of the design process.

Microsoft Office Basics

4066

Grade Level: 9 - 12
Length: Semester class (5 credits)
Prerequisite: Computer Keyboarding highly recommended
Graduation: Fulfills elective credits
College Prep: Does not apply

This is a semester long course designed for students to learn the introductory aspects of the Microsoft Office applications Word, Excel and PowerPoint. Students will learn to produce complex word processing documents, spreadsheet layouts and multimedia presentation. Students will create a personal web page and a fictitious business.

Computer Service & Repair I

4021

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Does not apply

Computer Service & Repair I class is an in-depth class that will cover the management, and troubleshooting of

computers, computer systems and networks. This course is the essential foundation for newcomers to PC support. It provides students with the necessary training to ensure proficiency in PC installation and troubleshooting skills. The course has been developed to produce competent PC support engineers who are capable of taking and passing CompTIA's A+ Certification exams.

Computer Service & Repair II

4022

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: Completion of Computer Service & Repair I w/ D grade or higher
Graduation: Fulfills elective credits
College Prep: Does not apply

Computer Service & Repair II class is an in-depth class that will cover the management, and troubleshooting of computers, computer operating systems; computer/network/wireless security. The Students will acquire the knowledge & understanding of mobile devices including Android & Apple mobile devices. By the end of the class, students will gain experience and knowledge of troubleshooting computer/computer systems/networks/computer devices and operating systems. Computer Service & Repair II follows the CompTIA exam series.....ie 220-802 syllabus. It provides students with the necessary training to ensure proficiency in Windows Operating systems, configuring SOHO Networks with internet connectivity access, troubleshooting skills and knowledge and features of mobile devices.

Exploring Computer Science

4077

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: None.
Graduation: Fulfills elective credits
College Prep: Does not apply

This course introduces fundamentals of computers and computer science. This course includes learning how to shop for a computer, solve problems using computer algorithms, web design, an introduction to programming, use mobile devices to collect and analyze data, and an introduction to robotics. This class is project based and the students will utilize hands-on activities to gain a better understanding of computer science.

Web Publishing

4038

Grade Level: 11-12
Length: Year class (10 credits)
Prerequisite: Computer Keyboarding
Graduation: Fulfills elective credits
College Prep: Does not apply

Web Publishing and Multimedia will teach students how to create their own web page using HTML (Hyper Text Markup Language) and Multimedia authoring. The course will teach layout design, the elements (tags) needed to create and publish basic and complex web pages. Students will develop a conceptual understanding of web publishing and multimedia presentation and discuss the basic tools, graphic elements and techniques. The course will promote gender and other equalities and self-esteem by individual

project based assignments that foster student interest in a risk free positive learning environment.

Health Career Core (Health Careers)

1060Q

Grade Level: 11-12
Length: Year class (10 credits)
Prerequisite: Enrollment in Health Career Academy
Graduation: Fulfills elective credits
College Prep: Does not apply

Students will participate in job shadowing, explore social and ethical issues that impact the industry, and learn and develop competency in workplace procedures and skills in medicine and health care. Students in the course will develop a personal career and educational plan as it relates to their career choice, requirements within the industry, and the rapidly changing opportunities in health career

Virtual Enterprise

2310

Grade Level: 10 - 12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Does not apply

Virtual Enterprise is a simulated business that is set up and run by students to prepare them for working in a real business environment. With the guidance of a teacher "consultant" and real-world business partners, the students determine the nature of their business, its goods and services, its management and structure, and engage in the daily operations of running a business. Emphasis is placed on using current business software, communications, and the Internet for business transactions.

Video Internship

1305

Grade Level: 11 -12
Length: Year class (10 credits)
Prerequisite: Completion of Advanced Video Production or concurrently enrolled.
Graduation: Fulfills elective credits
College Prep: Does not apply

This course is designed to provide students with practical work experience and an opportunity to develop a range of employable skills in real world settings. Students will develop marketable skills, abilities, attitudes, and work habits that will prepare them to enter the work force directly, continue their education with a focus on technical preparation, or pursue advanced study at the college or university level. Students will interact with on and off campus clients, to develop and produce video specific work to meet the needs of the client. Students will learn, client interaction, consulting, budgeting, goal setting and timelines, and delivery of final product.

Mock Trials, Moot Courts and Trial Advocacy

5392

Grade Level: 11 - 12
Length: Year class (10 credits)
Prerequisite: Foundations of Law, Gov & Public Service or ROP Law Enforcement Careers

Graduation: Fulfills elective credits

College Prep: Fulfills ("g") requirement for UC/CSU.

This course will familiarize high school students with basic concepts of law, the American justice system and teach them effective trial advocacy techniques. All students will learn about persuasive oral presentation, critical thinking, legal analysis and public speaking as they actively participate in trial and appellate court case studies, mock trials and moot courts. This course will cover: basic concepts of law, courtroom demeanor, direct and cross examination, opening statements, closing arguments, courtroom exhibits, evidentiary trial objections, witness portrayal, the appeals process, and case precedence. Instruction on controversial and current event issues shall be related to curriculum: trial and court processes and case precedence. Instruction will be presented in a balanced manner, addressing all sides of the issue without bias or prejudice and without promoting any particular point of view. Adequate factual information shall be provided to help students objectively analyze and evaluate the issue and draw their own conclusions as they relate to the law.

Teaching & Learning Careers (Internship)

1615Q

Grade Level: 12
Length: Year class (10 credits)
Prerequisite: Enrollment in Academy required
Graduation: Fulfills elective credits
College Prep: Fulfills ("g") requirement for UC/CSU.

This capstone course provides CTE Education Careers pathway students in 12th grade with an opportunity to understand learning and teaching in its practical application. Students will explore growth and development, major learning theories, principles of learning and teaching, classroom management techniques, and strategies for extensive observations and evaluations of mentor teachers to better understand teaching practice and the application of learned theories and strategies. In addition, they will complete a minimum of 75 hours of fieldwork in a classroom under the guidance of a mentor teacher. This fieldwork will consist of implementing their own lesson plans and activities designed for content area courses. This course reinforces standards in reading, writing, speaking, listening, mathematics, social studies, and science and requires their application in educational settings. Students will be required to practice communication, ethics, interpersonal/team skills, critical thinking and problem solving, self-management, professionalism, and classroom safety. The students in this course will be key participants in building an academic culture.



AP English Language and Composition

3085

Grade Level: 11
Length: Year class (10 credits)
Prerequisite: Successful completion of English 10.
Graduation: Fulfills third year of English requirement
College Prep: Fulfills one year English ("b") requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

This course is designed to focus on the study of American literature of various periods and genres. Students will become skilled readers and analyzers of literature written from a variety of time periods. As a result of such analysis, students will become skilled writers who will be able to produce compositions for a variety of purposes. Through their writing and reading assignments, as well as their preparation to take the Advanced Placement English Language and Composition exam, students are expected to become aware of the purpose and influence of American literature on their culture. Students are expected to take the Advanced Placement English Language and Composition exam in May. Teacher may assign reading and homework over the summer and/or intersession breaks.

AP Literature and Composition

3120

Grade Level: 12
Length: Year class (10 credits)
Prerequisite: Completion of English 11 or AP Language and Composition.
Graduation: Fulfills 4th year English requirement or elective credits
College Prep: Fulfills one year English ("b") requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

AP English Literature and Composition challenges students to read and interpret a wide range of imaginative works. The course invites students to explore a variety of genres and literary periods and to write clearly about the literature they encounter. On a daily basis, it asks them to read critically, think clearly, and write concisely. By the end of the course, students should feel comfortable analyzing the structure of a poem or story, the themes of a drama, or the style of an essay. They should also be able to identify various literary devices and to explain how those devices help to create meaning in a particular text. Students should write at least once a week. Some writing might be informal and exploratory; others might include research or work with literary criticism; still others might be timed, so students can practice writing under conditions similar to those of the AP Exam. Students are expected to take the Advanced Placement Literature and Composition exam in May. **A mandatory parent meeting will be scheduled.** Teacher may assign reading and homework over the summer and intersession breaks.

Creative Writing

3170

Grade Level: 10 - 12
Length: Year class (10 credits)
Prerequisite: English 1 with C or better
Graduation: Fulfills elective credit
College Prep: Fulfills one year elective ("g") requirement for UC/CSU

Creative Writing is a course designed to build upon the writing skills introduced in previous English courses. The student will develop an appreciation of a variety of authors' styles, a sense of personal voice, and an understanding of audience through extensive writing experiences. The emphasis of the course will be on the development of the students' writing fluency and creativity. Students will also sample a variety of cultural and historical literature and poetry as well as experience dramatic presentations and storytelling.

English 9

3030

Grade Level: 9
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills first year of the 4-Year English requirement
College Prep: Fulfills one year of English ("b") requirement for UC/CSU.

English 1 is a core literature-based language arts course integrating literature, writing, grammar, mechanics, speaking and listening, vocabulary development, reading skills, and study skills.

English 10

3040

Grade Level: 10
Length: Year class (10 credits)
Prerequisite: Completion of English 9
Graduation: Fulfills second year of the 4-Year English requirement
College Prep: Fulfills one year of English ("b") requirement for UC/CSU.

English 2 is a core literature-based program integrating literature with writing, grammar, mechanics, speaking and listening, vocabulary development, reading skills, and study skills.

English 11

3050

Grade Level: 11
Length: Year class (10 credits)
Prerequisite: Completion of English 10
Graduation: Fulfills third year of the 4-Year English requirement
College Prep: Fulfills one year English ("b") requirement for UC/CSU.

English 3 is a core literature-based program integrating the study of American literature with writing, speaking and listening, vocabulary development, reading skills, and study skills.

English 12

3060

Grade Level: 12
Length: Year class (10 credits)
Prerequisite: Completion of English 11
Graduation: Fulfills fourth year of the 4-year English requirement.
College Prep: Fulfills one year English ("b") requirement for UC/CSU.

English 4 is a core literature-based program integrating the study of British literature with grammar, mechanics, speaking and listening, vocabulary development, reading skills, and study skills. This course is designed for the college bound student.

Literary Analysis

3183

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: Successful completion of English 9, 10 and/or 11. Highly recommended for students considering AP Language Composition and/or AP Literature and Composition.
Graduation: Fulfills elective credit.
College Prep: Fulfills one year English ("b") requirement for UC/CSU.

The Literary Analysis course is designed to introduce students to challenging literature/fiction and works of non-fiction in order to provide a foundation for college level courses; moreover, the course is designed to enable students to read complex texts with understanding and to have them write prose of sufficient richness and complexity to communicate effectively with mature readers. Additionally, the course will introduce material necessary for students to learn in order to increase success on the CSU English Placement Test, the SAT II Writing Exam, the Advanced Placement Language and Composition Exam, and/or the Advanced Placement Literature and Composition Exam. This course will also prepare students for college-level composition courses.

Literary Analysis through Film

3184

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credit.
College Prep: Fulfills one year elective ("g") requirement for UC/CSU

Literary Analysis through Film is an academic elective for English Language Arts designed to introduce students to analyzing elements of literature using film as a text. By using film as a text, the course sets a foundation and enhances student comprehension, analysis, criticism and appreciation of non-fiction, fiction, drama and basic cinematic techniques.

Speech and Debate

3202

Grade Level: 10 -12
Length: Year class (10 credits)
Prerequisite: 2.5 English GPA or recommendation of current English or Speech teacher
Graduation: Fulfills elective credits
College Prep: Fulfills one year of elective ("g") requirement for UC/CSU.

Speech and Debate is a one-year course in oral communication with emphasis on public speaking. Research, writing, and oral techniques needed to develop effective oral presentations, debates, and oral interpretation intersperse the course.



Algebra 1

4630

Grade Level: 9–12
Length: Year class (10 credits)
Prerequisite: Placement based upon District-Approved criteria
Graduation: Fulfills one year of the math requirement
College Prep: Fulfills one year math ("c") requirement for UC/CSU.

Algebra 1 is a college preparatory, standards based math course built around problems designed to teach concepts, short writing assignments, and routine review necessary to retain skills. It is the goal of this course to empower students to use mathematics as a problem-solving tool and to demonstrate the importance of mathematics in their futures. A grade C or better in previous math class will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

Algebra 1 Support

4565

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Teacher Recommendation
Graduation: Fulfills one year of elective credits
College Prep: Does not apply

Algebra 1 is an elective course designed for students currently enrolled in Algebra 1 who need additional help to be successful.

Algebra 2

4690

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Algebra 1 and Geometry
Graduation: Fulfills one year of math requirement or elective credits
College Prep: Fulfills one year math ("c") for UC/CSU.

Algebra 2 is a second year course in algebra designed to

review and broaden algebraic concepts introduced in Algebra 1 and Geometry. It meets university requirements and includes linear and quadratic equations, graphing, progression, real and complex number systems, relations and functions (exponential, logarithmic, and polynomial). A grade C or better in previous math classes will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

Algebra 2 Support

4510

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Teacher Recommendation
Graduation: Fulfills one year of elective credits
College Prep: Does not apply

Algebra 2 is an elective course designed for students currently enrolled in Algebra 2 who need additional help to be successful.

AP Calculus AB

4720

Grade Level: 11 - 12
Length: Year class (10 credits)
Prerequisite: Pre-Calculus with C or better
Graduation: Fulfills one year of math requirement or elective credits
College Prep: Fulfills one year math ("c") requirement for UC/CSU. Student will receive an extra grade point bonus for grades A-C.

Calculus is designed for the motivated math student who will likely pursue a career in a math-related field. Calculus extends the study of limits, functions and derivatives, considers applications of the derivative, including velocity and optimization, studies of integration including exponential functions, and applications of the definite integral, including volumes of solids of revolution and areas of surfaces of revolution. The course prepares students to take the Advanced Placement examination. **A mandatory parent meeting will be scheduled.** A grade C or better in previous math classes will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

AP Calculus BC

4725

Grade Level: 11 - 12
Length: Year class (10 credits)
Prerequisite: C or better in AP Calculus AB
Graduation: Fulfills one year of math requirement or elective credits
College Prep: Fulfills one year math ("c") requirement for UC/CSU. Student will receive an extra grade point bonus for grades A-C.

Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics taught in Calculus AB plus additional topics, but both courses are intended to be challenging and demanding; they require a similar depth of understanding of common topics. **A mandatory parent meeting will be scheduled.** Students may choose to take Calculus without the AP distinction. A grade C or better in previous math classes will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

AP Statistics

4750

Grade Level: 11–12
Length: Year class (10 credits)
Prerequisite: Algebra 2
Graduation: Fulfills One Year Math Requirement or elective credits.

College Prep: Fulfills one year math (“c”) requirement for UC/CSU. Student will receive an extra grade point bonus for grades A-C.

AP Statistics is designed for college bound students who have completed Algebra II. This course is intended to explain the uses of statistics and its role in processing information contained in reports, scientific journals, political coverage, and even the daily newspaper. Students will be encouraged to use technology to relieve the drudgery of formula crunching, and instead students will spend more time selecting a proper model, describing and interpreting data, and displaying the results. Course scope and sequence will prepare students for the AP exam in May. A grade C or better in previous math classes will assure greater success in this class.

Applied Career Mathematics

4600

Grade Level: 11–12
Length: Year class (10 credits)
Prerequisite: Geometry 1a or better
Graduation: Fulfills one year of math requirement or elective credits

College Prep: Does not apply.

Applied Career Mathematics is designed for students who have completed the District’s Mathematics Standards & Benchmarks requirements and need to complete a third year or wish to complete a fourth year of math. The emphasis of the course will be on real-world problem-solving strategies applied to the industries represented by the site’s school-to-career academies. The content of the course will include a systematic review and enhancement of algebra, geometry and statistics and probability skills in order to prepare for the California High School Exit Exam.

Geometry

4670

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: Algebra 1 or Intensified Algebra
Graduation: Fulfills one year of math requirement
College Prep: Fulfills one year math (“c”) requirement for UC/CSU.

Geometry is a college preparatory standards based math course. This class is designed to not only increase students understanding of geometry, but to also act as an important transition from basic Algebra 1 to Algebra 2. A grade C or better in previous math class will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

Financial Algebra

4643

Grade Level: 11 – 12
Length: Year class (10 credits)
Prerequisite: Algebra I
Graduation: Fulfills one year of math requirement

College Prep: Fulfills one year math (“c”) requirement for UC/CSU.

This course implements the standards of Advanced Algebra, Statistics, Probability, Precalculus, and Calculus under seven financial umbrellas: Banking, Investing, Credit, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement Planning and Household Budgeting.

Geometry Support

4501

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Teacher Recommendation
Graduation: Fulfills elective credits
College Prep: Does not apply

Geometry Support is an elective course designed for students currently enrolled in Geometry who need additional help to be successful.

Pre-Calculus

4710

Grade Level: 10- 12
Length: Year class (10 credits)
Prerequisite: C or better in Algebra 2
Graduation: Fulfills one year of math requirement or elective credits
College Prep: Fulfills one year math (“c”) requirement for UC/CSU.

Pre-Calculus is a course that includes a semester of trigonometry, and a semester of math analysis. Studies of functions, logarithms, analytical geometry, mathematical inductions, and limits prepare students for Calculus. Students enrolled in this class are encouraged to own a graphing or scientific calculator. A grade C or better in previous math classes will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

Statistics

4740

Grade Level: 11–12
Length: Year class (10 credits)
Prerequisite: Algebra 2
Graduation: Fulfills One Year of Math requirement or elective credits
College Prep: Fulfills one year Math (“c”) requirement for UC/CSU.

Statistics is a college prep course designed for juniors and seniors who have completed Algebra 2 and would like to learn how to collect, analyze, and interpret data correctly. The basic structure of the class will involve group work and projects such as surveys, an analysis of the lottery, gambling probabilities, and business and marketing applications. Included in the basic course content is SAT Preparation for Math. **Students enrolled in this class are encouraged to own a graphing calculator or one that does statistical calculations.** A grade C or better in previous math classes will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

PHYSICAL EDUCATION



Advanced Athletic Skills

5662

Grade Level: 10-12
Length: Semester class (5 credits – repeatable for credit)
Prerequisite: 9th Grade core PE Programs; participation in a school sport
Graduation: Fulfills elective credits
College Prep: Does not apply

This course focuses on in and out-of-season physical training for the student athlete and is designed to help improve performance and minimize the potential for injury. Training will include progressive plyometric techniques, agility drills, flexibility exercises and core strengthening techniques. Health and nutritional issues specific to the student athlete will also be addressed.

Athletics Management

5660

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: none
Graduation: Fulfills elective credits
College Prep: Fulfills one year elective (“g”) requirement for UC/CSU.

Students will learn steps necessary to run athletic events including, facility setup, equipment maintenance, field maintenance, paper program development, logo design, and press releases. In addition the course will focus on the following technological elements of video production, website design and maintenance, live webcasting of events, and appropriate uses of technological data.

Basketball Techniques and Tactics

5674

Grade Level: 10-12
Length: Semester class (5 credits – repeatable for credit)
Prerequisite: PE 9; concurrent PE 10 ok
Graduation: Fulfills elective credits
College Prep: Does not apply

Basketball Techniques and Tactics is a designed physical education elective focusing on basketball. Throughout the semester students will learn and practice the game of basketball with the goal of learning lifelong athletic skills through basketball participation. In addition, students will learn the history of basketball to increase knowledge base.

Bowling Fundamentals

5670

Grade Level: 11-12
Length: Semester class (5 credits – repeatable for credit)
Prerequisite: PE 9; concurrent PE 10 ok
Class is off campus. Student is responsible for transportation.
Graduation: Fulfills elective credits
College Prep: Does not apply

An introduction to the discipline of Physical Education through the sport of Bowling. The course will include a historical examination, styles of play and strategies of the sport. Students will strive to develop basic skills including approach; types of deliveries, strategy, etiquette, and league play associated with the sport of bowling. Adaptations related to gender, age and physical conditioning would be addressed.

Sculpt and Tone

5795

Grade Level: 10-12
Length: Semester class (5 credits – repeatable for credit)
Prerequisite: PE 9; concurrent PE 10 ok
Graduation: Fulfills elective credits (Does not replace Core PE classes)
College Prep: Does not apply

Fitness in Motion builds on the basic foundation developed in the 9th and 10th Grade Core Physical Education programs students have the opportunity to participate in and maintain physical fitness.

Physical Education - Grade 9

5750

Grade Level: 9
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills One Year of Physical Education requirement.
College Prep: Does not apply

Physical Education is required in Grade 9. Freshmen students are in separated co-ed classes. All Freshmen Physical Education students take the California Physical Performance and Health Related Test during the first and third quarters. Some other things covered are orientation, physical fitness, field games, weight training, ply metrics, wrestling, various team sports, and steroid and nutrition education. All freshmen will take swimming first or fourth quarter. The physical education curriculum reflects the Liberty Union High School District Standards and Benchmarks in Physical Fitness and Health.

Physical Education - Grades 10–12

5760

Grade Level: 10–12
Length: Year class (10 credits)
Prerequisite: Freshman P.E.
Graduation: Fulfills One Year of Physical Education requirement.
College Prep: Does not apply

Physical Education (Gr. 10–12) emphasizes physical fitness. Other class activities may include:

Aerobics, Badminton, Basketball, Fitness Training, Flag Football, Plyometrics, Plyorobics, Soccer, Softball, Swimming, Tennis, Track & Field, Volleyball and Weight Training. The physical education curriculum reflects the Liberty Union High School District Standards and Benchmarks in Physical Fitness and Health.

ROP (Contra Costa County Regional Occupation Program)

(Must be 16 or older for all courses)

Strength and Fitness

5792

Grade Level: 10-12
Length: Semester class (5 credits – repeatable for credit)

Prerequisite: 9th and 10th Grade core PE Programs (concurrent enrollment in PE 10 is okay)

Graduation: Fulfills elective credits

College Prep: Does not apply

Students in the class focus on toning, flexibility, strength training with machines, free weights, speed development, and total body fitness.

Team Sports

5790

Grade Level: 10-12
Length: Semester class (5 credits – repeatable for credit)

Prerequisite: 9th and 10th Grade core PE Programs

Graduation: Fulfills elective credits (does not replace Core PE classes)

College Prep: Does not apply

Physical Education emphasizes fitness and exercise through advanced team sports. Students in Team Sports develop advanced skills in Volleyball, Flag Football, Softball, Ultimate Frisbee, Soccer and Basketball.

Yoga Plus

6007

Grade Level: 10 – 12
Length: Semester class (5 credits – repeatable for credit)

Prerequisite: None

Graduation: Fulfills elective credits

College Prep: Does not apply

This course will focus on the basics of yoga, technique and practice. Yoga styles will include Bikram, Vinyasa Flow, and Iyengar. Non-religious yoga philosophy and yoga history will be introduced. Other cultural styles and histories of movement such as Tai Chi, improvisation, partner dance, and the history and philosophy of social and cultural movement and social dance etiquette will be introduced.

ROP Advanced Video Art Production

6188

Grade Level: 11-12, or 16 years old

Length: Year class (10 credits)

Prerequisite: Art of Video Production or prior consent of instructor

Graduation: Fulfills elective credits

College Prep: Does not apply

This is an advanced video production class in which students build upon previously acquired skills. Students fulfill all roles of a broadcasting studio. This competency-based course prepares students for entry-level positions in the broadcasting industry, as well as preparing them for advanced studies at the postsecondary level. Integrated throughout the course are career preparation standards which include basic academic skills, communication, interpersonal skills, problem solving, workplace safety, technology and employment literacy.

ROP Digital Recording Studio

6195

Grade Level: 11-12 or age 16

Length: Year class (10 credits)

Prerequisite: Musical experience recommended but not required

Graduation: Fulfills elective credit (may be repeated for credit)

College Prep: Does not apply

This competency-based course prepares students for entry-level positions as producer, recording engineer-technician, and/or recording studio musician. Integrated throughout the course are career preparation standards which include basic academic skills, communication, interpersonal skills, problem-solving, workplace safety, technology and employment literacy. Students wanting to train as recording engineers receive hands-on training in the studio, gaining a working knowledge of the equipment. They will learn the process of recording—from live performance to CD. Students wanting to train as recording studio musicians will learn important aspects of becoming a “recording studio” musician. And do a minimum of ten live performances per year to help prepare for their recording experience.

ROP Fire Science

2750

Grade Level: 11-12 or age 16

Length: Year class (10 credits)

Prerequisite: Age 16

Graduation: Fulfills elective credit (may be repeated for credit)

College Prep: Does not apply

Articulated with Los Medanos College.

Students learn fire science, use of fire-fighting equipment, methods of rescue, emergency procedures, and fire department organization. Students participate in a practice

interview for firefighters by taking a written test, physical agility test and oral exam.

ROP Journalism

3193

Grade Level: 11-12 or Age 16
Length: Year class (10 credits)
Prerequisite: Journalism or approval of Journalism teacher (via app process) English 2
Graduation: Fulfills elective credits
College Prep: Fulfills one year Elective ("g") requirement for UC/CSU.

In this course students expand their English/Language Arts skills through creating and publishing the school newspaper. Students are required to write monthly assignments of up to 2,000 words for the newspaper plus additional pieces for other class projects. They practice varied forms of journalistic and creative writing including news, features, and sports stories as well as reviews and editorials. Students also explore the history of journalism and its role in American society. Students learn to use specialized software for word processing, page layout, and graphic design. This course is open to 11th and 12th grade students who are interested in refining their writing skills as well as exploring journalism as a college major and a career.

ROP Law Enforcement Careers

2760

Grade Level: 11-12 or age 16
Length: Year class (10 credits)
Prerequisite: Age 16
Graduation: Fulfills elective credit
College Prep: Fulfills one year of elective ("g") requirement for UC/CSU. Articulated for 3 college units in Administration of Justice 110 at Los Medanos College.

In this course, students will learn the structure and organization of the criminal justice system and gain knowledge of basic police procedures, regulations and responsibilities. Included is an overview of codified law and penal code, laws of arrest, search and seizure guidelines, patrol and investigative procedures, emergency response, and field trips to police stations and courtrooms. Emphasis placed on developing awareness of citizens' rights and responsibilities, the realities of police work, and the positive role of law enforcement in the community.

ROP Publications (Yearbook)

2095

Grade Level: 11-12 or Age 16
Length: Year class (10 credits)
Prerequisite: ROP Journalism or teacher approval (via application process)
Graduation: Fulfills elective credits
College Prep: Does not apply

Students will expand their English/Language Arts skills through the creation and publication of the school's yearbook. They will use knowledge of journalism principles, graphics design, layout and photography as well as specialized software. Creativity and the ability to meet deadlines will contribute to the success of the students in this class.

ROP Robotics Engineering Technology

4260

Grade Level: 11-12 or Age 16
Length: Year class (10 credits)
Prerequisite: Algebra and Geometry; Computer Programming, Architectural Design, or Physics recommended.
Graduation: Fulfills elective credit
College Prep: Fulfills one year of elective ("g") requirement for UC/CSU.

Robotics Engineering Technology explores the interaction of science and technology. The program is designed to interest students in the field of robotics and motivate them to pursue advanced education in science and engineering. In this class, students will apply the scientific method and build on physics and mathematics concepts by investigative research that required inquiry, data collection, and analysis. Included is instruction in the history and theory of robotic technology, computer control systems and artificial intelligence. Computer programming is emphasized. Using the engineering design team concept as a model, students work in small groups to research, design, program, and construct robotic devices used in competition, including NASA's U.S. FIRST. Integrated throughout the course are career preparation standards which include basic academic skills, communication, interpersonal skills, problem solving, workplace safety, technology and employment literacy.

ROP Sports Medicine 1

5582

Grade Level: 10-12 or age 16
Length: Year class (10 credits)
Prerequisite: Living Earth (Biology) or teacher approval
Graduation: Fulfills elective credits
College Prep: Fulfills one year of elective ("g") requirement for UC/CSU.
Extra: 45 hours of Internship/ Shadowing with a medical professional approved by Teacher.

Sports Medicine is designed to explore human anatomy and physiology, and lays the foundation for further study of these sciences. Students learn how systems of the body function and interact through physical activity, and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understanding the physiological response to injury and improving performance. Students taking this class may be eligible for an after-school sports medicine practicum with the school's athletic teams. Integrated throughout the course are career preparation standards, which include basic academic skills, communication, interpersonal skills, problem solving, safety, technology, and employment literacy. Upon completion of this course students will be prepared for the advanced sports medicine courses offered.

ROP Advanced Sports Medicine (Sports Medicine 2)

5585

Grade Level: 10-12 or Age 16
Length: Year class (10 credits)
Prerequisite: Sports Medicine or ROP Sports Medicine
Graduation: Fulfills elective credits
College Prep: Fulfills one year of elective ("g") requirement for UC/CSU.
Extra: 45 hours of internship/shadowing with a medical professional approved by the teacher.

Advanced Sports Medicine provides an excellent opportunity for students to continue exploring their interest in the fields of health science and medicine. This class provides a framework of advanced skills for understanding functional anatomy and kinesiology, building on the concepts of anatomy/physiology learned in Sports Medicine. The lecture/lab format focuses on clinical hands-on applications of theory and knowledge, including evaluation, assessment, treatment and rehabilitation of athletic injuries. Internship opportunities are available at after-school athletic events, assisting the head athletic trainer or team physician, and working with other health care professionals.

ROP Video Broadcasting (HBN)

6189

Grade Level: 11-12, or 16 years old
Length: Year class (10 credits)
Prerequisite: Art of Video Productions and teacher approval (via application process)
Graduation: Fulfills elective credits
College Prep: Does not apply

This is an advanced course building on the techniques learned in Art of Video Production with more emphasis in studio broadcast production. Students will use state of the art computers and video/broadcasting equipment to plan, shoot, and edit video/broadcast programs for the campus broadcast news show. Emphasis is on producing and directing, advanced level script writing, audio techniques, lighting, camera operation and editing. Computers are used as a creative and organizational tool for the purpose of producing and editing high quality videos and broadcast programs. Program styles include educational, dramatic and magazine format productions. Students will also produce a video yearbook. Producing the video yearbook requires students to put in hours after school. Students will be required to shoot school events, such as sporting events, theatre plays, dances and other school activities.

ROP Drafting CADD

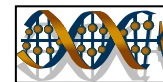
4040

Grade Level: 10-12 or 16 years old
Length: Year class (10 credits)
Prerequisite: Basic computer skills; student must be at least 16 years old; or a Junior or Senior
Graduation: Fulfills elective credits
College Prep: Does not apply

Students learn the basics of computer-aided design software, such as AutoCAD, used by drafters, designers, architects, and engineers to develop designs and drawings. There is an emphasis on 2D and 3D technical drawing techniques. Students create, edit, and plot geometric drawings, including multi-view, sectional views, and auxiliary views. Students are guided through a series of

projects creating architectural, civil, electrical, and mechanical designs. This competency-based course prepares students for entry-level positions or postsecondary training in computer-aided design. Integrated throughout the course are career technical education standards which include basic academic skills, communication, career planning, technology, problem solving, safety, responsibility, ethics, teamwork, and technical knowledge.

SCIENCE



Anatomy & Physiology

5060

Grade Level: 11 - 12
Length: Year class (10 credits)
Prerequisite: **The Living Earth (Biology)**; Chemistry in the Earth System recommended
Graduation: Fulfills elective credits
College Prep: Fulfills one year Laboratory Science ("d") requirement for UC/CSU.

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. Physical and mental health are given major consideration with respect to body functions, and all systems are demonstrated to interrelate in the total functioning of the human body.

AP Biology

5010

Grade Level: 11-12
Length: Year class (10 credits)
Prerequisite: The Living Earth (Biology) and Chemistry in the Earthy System or Anatomy/Physiology
Graduation: Fulfills one year of the 2 year science requirement or elective credits
College Prep: Fulfills one year Laboratory Science ("d") requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

AP Biology is designed for the advanced science student who is likely to pursue a career in a science-related field. This course is the equivalent of a college introductory biology course and completes preparation for the Advanced Placement Biology examination. The three general areas covered in this course are: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. AP Biology expands on knowledge that the students have gained in their previous science courses. This course includes extensive use of modern biological research technology.

AP Chemistry

5160

Grade Level: 11 - 12
Length: Year class (10 credits)
Prerequisite: Algebra 2 (*can be taken concurrently*) and Chemistry in the Earth System
Graduation: Fulfills elective credits
College Prep: Fulfills one year Laboratory Science (“d”) requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

AP Chemistry is a rigorous college level Chemistry course designed to prepare students to take and pass the AP Chemistry exam. The class emphasizes concepts of chemistry, mathematical problem solving skills applied to chemistry problems, critical thinking skills utilized in class and in written assignments, and hands-on experiences. Laboratory activities are a major part of this class.

AP Environmental Science

5091

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: Algebra 1, The Living Earth (Biology), physical science required; Chemistry recommended.
Graduation: Fulfills elective credit
College Prep: Fulfills one year Laboratory Science (“d”) for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems both natural and human made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study, yet there are several major unifying themes. Environmental Science includes a strong laboratory and field investigation component. Students who take the AP Environmental Science Exam in May have the opportunity to earn Advanced Placement (AP) credit for college.

AP Physics

5185

Grade Level: 10 - 12
Length: Year class (10 credits)
Prerequisite: completion of Geometry recommended and concurrent enrollment in Algebra II.
Graduation: Fulfills Physical Science requirement.
College Prep: Fulfills one year Laboratory Science (“d”) requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The year will culminate in the administration of the AP Physics 1 exam.

The Living Earth (Life Science)

5020

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Life Science requirement
College Prep: Fulfills one year Laboratory Science (“d”). The Living Earth course, based on the Next Generation Science Standards, explores relationships between the living and nonliving components of Earth’s systems. By using science and engineering practices, cross-cutting disciplinary concepts, and evidence from experiments, research, and observations, students will learn how to formulate questions, evaluate claims, and develop models to make interpretations and investigate the natural world. Topics will include: Ecosystems Interactions and Energy, History of Earth’s Atmosphere: Photosynthesis and Respiration, Evidence of Evolution, Inheritance of traits, Structure, Function, and Growth (from cells to organisms) and Ecosystem Stability and the Response to Climate Change. The Living Earth course is replacing the Biology course and is required for graduation.

Biotechnology

5041

Grade Level: 11-12
Length: Year class (10 credits)
Prerequisite(s): The Living Earth (Biology) One year of Chemistry in the Earth System recommended (may be taken concurrently)
Graduation: Fulfills Life Science requirement.
College Prep: Fulfills one year Laboratory Science (“d”) requirement for UC/CSU.

This course prepares students for careers involving laboratory sciences and the biotechnology industry. This class is a student driven lab based class. Students learn procedures and laboratory skills used in Biotechnology and Crime Scene Labs, including DNA manipulation and micropipeting, proper washing, sterilizing, plating and culturing techniques which make them effective lab technicians. Sound laboratory instruction and safety is stressed. Students learn to read protocols, complete technical writing, use resources and work in team-based learning. Background material regarding DNA methods and usefulness, science and societal issues, and portfolios are included in the curriculum. Career paths and opportunities for further education will be explored through associations with industry mentors and field trips to local lab sites.

Chemistry in the Earth System (Physical Science)

5040

Grade Level: 10 – 12
Length: Year class (10 credits)
Prerequisite: Algebra 1 and The Living Earth, Biology or Sustainable Ag Biology
Graduation: Fulfills Physical Science requirement
College Prep: Fulfills one year Laboratory Science (“d”). Chemistry in the Earth System is a year-long course designed to incorporate phenomena-based learning with real-world applications. It integrates the concepts of Chemistry and Earth science linking cross-cutting concepts to make them more relevant to the students. The course is aligned with the Next Generation Science Standards (NGSS) that have been adopted by our state. The course encompasses the following major areas in a storyline format: Combustion, Heat and Energy in the Earth System, Atoms,

Elements, and Molecules, Chemical Reactions, Chemistry of Climate Change, and the Dynamics of Chemical Reactions and Ocean Acidification. The laboratory portion of the course will correlate with the instructional units rounding out the course.

Entomology

5075

Grade Level: 10–12
Length: Year class (10 credits)
Prerequisites: Completion of The Living Earth (Biology)
Graduation: Fulfills elective credit
College Prep: Fulfills one year elective (“g”) requirement for UC/CSU

Entomology is a one-year course designed for the student who seeks additional experience in biological science in her/his high school education. This course provides a number of field activities and will enable the student to identify major taxonomic groups of aquatic and terrestrial arthropods. Students will build and maintain an insect collection and will use taxonomic keys to identify specimens that they collect. The course will also focus on structure, physiology, distribution, ecological and economic (agricultural) importance, and life cycles of insects. Field trips will be taken for opportunities to learn various sampling techniques, and collect specimens. Further, relevance to Forensic Science will be taught in a unit on Forensic Entomology, as a collaborative project with the Forensic Science course will be conducted.

A minimal course fee may be required to cover cost of materials used by the students (e.g., glass vials, insect pins, foam, ethanol), especially if students desire to keep their collections at the end of the course.

Intro to Agriculture Science

1010

Grade Level: 9–12
Length: Year class (10 credits)
Prerequisites: None
Graduation: Fulfills LUHSD Life Science Requirement
College Prep: Pending one year elective (“g”)

This is a core course which provides a base for all vocational agricultural courses. It focuses primarily on instruction in animal/life science and plant science. Other units include California agriculture, leadership and careers and employability. Future Farmers of America is an integral part of the program. This course is required for 9th and 10th graders who wish to continue study in the field of agriculture.

Physics in the Universe

5165

Grade Level: 10 - 12
Length: Year class (10 credits)
Prerequisite: Geometry (Algebra 2 preferred)
Graduation: Fulfills Physical Science requirement
College Prep: Fulfills one year Laboratory Science (“d”).

Using the guidance of the CA Framework’s High School 3-Course Model, NGSS Physics includes both Physical and Earth and Space Science performance expectations integrated in a strategic way, so that students apply their knowledge of physical science concepts in the context of Earth and Space Science. The Earth and Space Science topics of plate tectonics and cosmology are embedded into

this NGSS Physics course. In this NGSS Physics course, the story of physics progresses from observable phenomena (motion of objects, including freefall and momentum, and motion of larger bodies, such as continental and oceanic plates) to the force fields that govern them (electric, magnetic, and gravitational) along with an understanding of how energy is conserved or converted between mechanical, electrical, nuclear, chemical, and thermal energies and concludes with connecting students’ year-long learning to outer space and the astronomical objects in it. The course taps into students’ prior knowledge of mathematical concepts such as unit conversion, the metric prefix system, scientific notation, significant figure rules, dimensional analysis, and algebraic rules of calculations. It introduces them to new concepts such as the inverse square law and linear relationships.

SOCIAL SCIENCE



AP Human Geography

5260

Grade Level: 9–12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Elective Credits
College Prep: Pending one year History (“a”) requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

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

AP European History

5380

Grade Level: 10–12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Elective Credits
College Prep: Fulfills one year History (“a”) requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

Advanced Placement European History is designed to increase the student’s understanding of European History from 1450 to 1970. The course will include the major themes, trends, and events in the development of political, social, and economic institutions, as well as cultural and intellectual development. This course is designed for advanced students who wish to prepare to take the A.P. Exam in European History.

AP Psychology

5397

Grade Level: 11-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Fulfills one year elective ("g") requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

AP Psychology covers the equivalent of a college freshman Psychology course and prepares students to take the Advanced Placement examination. The students investigate and acquire knowledge in the basic foundations of scientific psychology. Through varied modalities, students compare and contrast the major schools of thought from a historical and sociological perspective. The students examine different methods of test, measures, and assessment with emphasis on bias related issues: cultural, ethnic, genre, contemporary controversies are explored. The students analyze ethical concerns: objectively and subjectively. Particular emphasis is placed on proper APA writing format as well as extensive reading, both primary source and supplemental literature, essay writing, intense group interaction, and individual presentations involving critical reasoning skills. The students explore possible career choice within the psychological community and evaluate current trends, which may affect future occupations.

AP U.S. Government and Politics

5295

Grade Level: 12
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Fulfills 5 American Government credits required for graduation and 5 elective credits.
College Prep: Fulfills one semester History ("a") requirement for UC/CSU.

This AP Government class will prepare students to take the AP Exam in May as well as meet the graduation requirement of 5 units in American Government. The course will emphasize reading of political philosophy as well as essay writing in specific content areas related to not only American governmental systems but also other governmental systems as necessitated by the College Board. Students successful in passing the AP Exam will receive advanced placement upon entering college.

AP U.S. History

5290

Grade Level: 11
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills U.S. History requirement
College Prep: Fulfills one year History ("a") requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

The study of U.S. History helps students learn about their American heritage and understand the role of their nation in the world. This course is the equivalent to college or

university level U.S. History. The course prepares students to take the Advanced Placement examination. **A mandatory parent meeting will be scheduled.**

AP World History

5270

Grade Level: 10
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills World History Requirement
College Prep: Fulfills one year History ("a") requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

This AP World History class will follow much of the same course outline as regular world history and meet the requirement for standards and benchmarks. The course will emphasize reading of political philosophy as well as essay writing in specific content areas related to world history as necessitated by the College Board. Students successful in passing the AP exam in the spring will receive advanced placement upon entering college. **A mandatory parent meeting will be scheduled.**

American Government

5330

Grade Level: 12
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Fulfills American Government requirement.
College Prep: Fulfills one semester History ("a") requirement for UC/CSU.

American Government is a semester-long course designed to help students develop an understanding of the institutions of American government. Students examine and compare and contrast the development and processes of governments in both the United States, and to a lesser extent, the world. Students also examine related major issues of the world today. Emphasis is placed on the development of social participation skills and civic responsibility.

Economics

5335

Grade Level: 12
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Fulfills Economics requirement.
College Prep: Fulfills one semester History of ("g") requirement for UC/CSU.

This semester course is designed to deepen students' understanding of the economic problems and institutions of the nation and world in which they live. It will provide them with the knowledge and skills needed to make reasonable decisions on economic issues as citizens, workers, consumers, business owners, managers, and members of civic groups. The course is primarily a course in social science enriching students' understanding of the operations and institutions of economic systems rather than a course in household or business management.

AP Economics

5365

Grade: 12
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Economics requirement
College Prep: Does not apply

This class prepares students to take the AP Exam in May as well as meet the graduation requirement of 5 units in Economics. The course will emphasize reading of economic theory as well as essay writing in specific content areas related to not only the capitalist system but also other economic systems as necessitated by the College Board. Students passing the AP Exam will receive advanced placement upon entering college.

Foundations of Law, Government & Public Service

5320

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Fulfills ("g") requirement for UC/CSU.

This course serves as an introduction to the fields of law, government & public service and provides cooperative learning and decision making activities designed to assist students in their ability to analyze, evaluate and debate current law related public issues. The course is designed to provide practical information, knowledge, skills and problem solving strategies to develop an understanding of citizenship, legal rights and social responsibilities, and for students to effectively participate in U.S. society.

Psychology within Society

5396

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Fulfills one year elective ("g") requirement for UC/CSU.

This entry-level course introduces students to the systematic and scientific study of the behavior and mental processes of individuals and group behavior. Students will compare and contrast the major psychological paradigms, evaluate historical and sociological determinants, and know and perform various tests, measures, and assessments. Recommended for Professional Human Development Academy participants, but open to all interested students.

Sociology

5398

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Fulfills one year elective ("g") requirement for UC/CSU.

This course is a one-year study of sociology designed to introduce students to the systematic and scientific study of effects of society on our individual personality and our personal impact on society at large. The course will cover topics such as group behavior, attitudes, prejudice,

conformity, obedience, aggression and altruism. Students will also look at human development.

U.S. History

5280

Grade Level: 11
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills U.S. History requirement
College Prep: Fulfills one year History ("a") requirement for UC/CSU.

United States history is designed to help students examine major turning points in American history in the twentieth century. Throughout the year students will examine American culture including religion, literature, art, drama, architecture, education, and the mass media. The year begins with a selective review with an emphasis on the nation's beginning including the main influences in the founding of the United States and the caused and consequences of the Civil War.

World Cultures and Geography

5255

Grade Level: 9
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Fulfills one year History ("a") requirement for UC/CSU.

This course is designed to enhance students' understanding of the global environment in which they live. During the year-long course, emphasis is placed on students acquiring knowledge of world cultures, world problems, basic geography, human migration, the humanities, critical thinking skills, reading strategies, study skills, vocabulary development, writing ability, and speaking for the purpose of debate and presentation. The program integrates a variety of teaching methods that requires students to engage in both group and individual learning.

World History

5240

Grade Level: 10
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills World History requirement
College Prep: Fulfills one year History ("a") requirement for UC/CSU.

Students have an opportunity to compare and contrast philosophies, languages, literature, religion and the arts of world cultures. The students become more knowledgeable about the effects of geography upon the political and economic development of cultures.



Visual Arts

Advanced Art

1520

- Grade Level:** 11-12
Length: Year class (10 credits)
Prerequisite: A grade of B- or better in two semesters of Beginning Art. A grade of C or better in Intermediate Art. Approval of the instructor.
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills VAPA ("F") requirement for UC/CSU.

Advanced Art furthers the student's knowledge, gained in Beginning Art and Intermediate Art, of design concepts, harmonious relationships among line, value, color, texture, and form. The student will use a variety of techniques and various recourses including written information to gain a greater knowledge of art history and aesthetics. Students will also be required to create a portfolio. May be repeated for credit.

AP Art History

1575

- Grade Level:** 10-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("F") requirements for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

AP Art History is an intensive course for students interested in the effect of art on our world. Students will participate in critiques and discussions of masterpieces. A research paper and field trip to a museum or gallery will facilitate the student's understanding of art as history. Serious students with strong writing skills should be able to pass the advanced placement exam for college credit.

AP Studio Art 3D

1577

- Grade Level:** 10-12
Length: Year class (10 credits)
Prerequisite: Ceramics I or 3-D Design, and Highly Recommended to have taken Ceramics 2 or Advanced 3-D. Also by Instructor Approval
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("F") requirements for UC/CSU. Students will

receive an extra grade point bonus for grades A-C.

AP Studio Art class is a studio class that expands student's artistic skills, encouraging them to explore a theme, or area of interest to refine their individual skills in 3-D Design. Through the process of discovery students will need to make informed decision making skills while creating a body of work that demonstrates a high level of quality and growth over the year through technique, content, and process. Three main components need to meet: Breadth, Concentration, and Quality, in meeting these components students will need to develop their mastery in a concept, composition, and execution to be successful. Students will need to submit a portfolio showing their studies to the College Board at the end of year. Students are expected to take the preliminary classes before entering AP Studio Art, in order to develop their skills in art. After one year in Ceramics or 3-D Design class students then have the option to move into the advanced classes or move straight into the AP level. It is highly recommended and encouraged that all students take the advanced level classes and the AP class concurrently, and all work from both has the potential to be used within the AP Portfolio. Only original artwork is allowed in the portfolio. No copies from published photographs, and any photographed used must have been taken from the student in order to explore their idea, theme, or concept. The 3-D AP Studio Art are expected to take Ceramics and create works in the following: Coil- Creating a sculpture that is made out of coils, breaking away from the stereotypical coiled pot, emphasizing surface quality. Slab- Using the concept of Spatial Relationships in an Abstract geometric sculpture. Figure- Study of the human figure in additive, and subtractive techniques. Wheel- The ability to throw a pot from the wheel Slump Mold- Create a set of bowls from a slump mold that show patterns and repetition. Alternative Media- At least two works has to be made out of some other media besides clay. Students base the sculpture on a concept (Movement, Texture, Positive & Negative Space...) and are required to use a variety of media found around school, or at home. Students are not limited or required to just use ceramic works in their portfolios. Students may opt to create works in their concentration out of other media. Ceramic work needs to be demonstrated in their Breadth section.

AP Studio Art 2D

1578

- Grade Level:** 10-12
Length: Year class (10 credits)
Prerequisite: Beginning Art, Highly Recommended to have taken Intermediate Art, or Advanced Art, or to be signed up in Advanced Art concurrently. Also by Instructor Approval
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("F") requirements for UC/CSU. Students will receive an extra grade point bonus for grades A-C.

AP Studio Art class is a studio class that expands student's artistic skills, encouraging them to explore a theme, or area of interest to refine their individual skills in design. Through the process of discovery students will need to make informed decision making skills while creating a body of work that demonstrates a high level of quality and growth over the year through technique, content, and process. Three main components need to

met: Breadth, Concentration, and Quality, in meeting these components students will need to develop their mastery in a concept, composition, and execution to be successful. Students will need to submit a portfolio showing their studies to the College Board at the end of year. Students are expected to take the preliminary classes entering AP Studio Art, in order to develop their skills in art. After one year in the beginning art class students then have the option to move into the advanced classes or move straight into the AP level. It is highly recommended and encouraged that all students take the advanced level classes and the AP class concurrently, and all work from both has the potential to be used within the AP Portfolio. Only original artwork is allowed in the portfolio. No copies from published photographs, and any photographed used must have been taken from the student in order to explore their idea, theme, or concept. 2-D Design Portfolio- Students will expand their drawing skills and their visual communication skills by exploring a variety of media, techniques, composition, and aesthetic concepts. The basic requirements for the Drawing portfolio is the inclusion of work that demonstrates basic composition, knowledge of the Elements and Principles, a variety of media, mark making and at least one work in the following themes: Self Portrait- A study from life of their image in any medium. Still Life- Looking for composition and utilizing positive and negative space, different surface qualities, and affects of light. Out Door Drawing- Showing skills in observation, aerial, and atmospheric perspectives. The affects of light and color. Indoor Drawing- Showing skills in linear perspective and dramatic lighting. Also showing compositional knowledge. Figure Drawing- Knowledge of the human body- unclothed and clothed, understanding contrapposto, and foreshortening. (Students are encouraged to take the free Saturday figure drawing classes at the Dean Lescher Center for the arts or at the College of Arts and Crafts, Figure Study sessions for high school students. These are the types of projects emphasized in the earlier classes in art..

Art of Video Production

6182

Grade Level: 10 -12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("f") requirement for UC/CSU.

Video Production is an introductory course which provides the student with the necessary skills and a background for producing video programs and enhances the students' research, communication and team work skills. Students will research ideas, develop a script, create a story board, learn to operate digital camera equipment in production and use post production equipment to edit and create a finished tape. Projects will be created in digital format from camera, to editing, to final projects on DVD. Students will also have an opportunity to learn basic television/studio techniques by creating television programs for school wide broadcast. At the end of the term students will learn how to author (create) a DVD that contains all work completed and take home the finished DVD.

Beginning Art

1506

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("f") requirement for UC/CSU.

A standards based class for beginning art students. Previous art experience is not necessary. The students will use a wide variety of materials to create art projects; e.g. pencils, charcoal, ink, colored pencils, acrylic paint, watercolors, chalk and oil pastels. Included in the first 9 weeks will be an introduction to the elements and principles of art, contour line drawing, value and contrast, color theory, and painting. Included in the second 9 weeks will be painting, printmaking, an introduction to sculpture and graphic design, still life drawing, portraiture and perspective

Ceramics I

1831

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language Requirement or elective credits
College Prep: Fulfills one year VAPA ("f") requirement for UC/CSU.

This Ceramics course will cover the basic hand building methods and decorative techniques. Creative design and individual expression will be emphasized through functional projects. Students will gain an appreciation of historical and contemporary ceramics.

Ceramics II

1832

Grade Level: 11-12
Length: Year class (10 credits)
Prerequisite: Ceramics I
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("f") requirement for UC/CSU.

The Ceramics II course will cover the complex hand building methods, wheel methods and decorative techniques. Creative design and individual expression will be emphasized through functional (abstract) projects. Students will expand on their appreciation of historical and contemporary ceramics.

Design I

1521

Grade Level: 9 -12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills one year Fine Arts graduation requirement
College Prep: Fulfills one year VAPA ("f") requirement for UC/CSU.

This course will offer students the opportunity to explore different aspects of the design industry. Students will learn basic design principles, experiment with different materials, solve design problems and create a variety of projects related to design. Assignments include book covers, CD packages, food packaging, fashion design and poster design.

Design II 1522

Grade Level: 10 -12
Length: Year class (10 credits)
Prerequisite: Design I
Graduation: Fulfills one year Fine Arts graduation requirement
College Prep: One year VAPA ("f") requirement for UC/CSU.

Students will begin with intensive figure drawing while researching various mythological archetypes (heroes, villains, mentors and more) from a variety of world cultures. Students will create their own individual heroes and villains complete with detailed profiles and stories of origin. Students will explore traditional comics as well as Manga, resulting in a graphic novel project. Students will work to design costumes for their specific character using traditional materials as well as computer technology. The final product will be a movie trailer where student through the art of video, will bring the characters to life.

Intermediate Art 1516

Grade Level: 10 - 12
Length: Year class (10 credits)
Prerequisite: Successful completion of Beginning Art and/or approval of the instructor.
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("f") requirement for UC/CSU.

A standards based class, Intermediate Art expands concepts and skills gained in Beginning Art, such as design concepts and harmonious relationships between line, value, color, texture, and form. The student will use a wide variety of techniques and materials to create individual projects. Examples of assignments are figure drawing, still life, self-portrait, company logo, advertising design.

Introduction to Art History 1573

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills VAPA ("f") requirement for UC/CSU.

This course is designed for any student that loves Art, but may not have the drawing or painting skills to feel comfortable in a traditional art program. This introductory course will explore Art History from the Prehistoric through the Modern Times through art projects, research papers, slides, videos and group presentations. Students that are interested in architecture, archeology, art criticism, painting,

sculpture, geography and religious studies will enjoy this course. Students interested in taking AP Art History are encouraged to take this introductory course.

Performing Arts

AP Music Theory

6068

Grade Level: 10 -12
Length: Year class (10 credits)
Prerequisites: Must be proficient in music reading
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Does not apply. Students will receive an extra grade point bonus for grades A-C.

This course designed to prepare students for the Advance Placement Music Theory Exam. The focus is in developing sensitivity to the expressive quality of music and musical sounds. You will develop awareness and understanding of the styles, idioms, performance media, and purposes of music.

Acting and Directing Workshop

6190

Grade Level: 10-12
Length: Year Class (10 credits) (May be repeated up to 20 credits)
Prerequisites: Theatre Arts I and successful completion of entrance requirements (audition, testing and interview)
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("f") requirement for UC/CSU.

This is an advanced level course designed to provide instruction and experience for students who wish to bring the proficiency of their theatre skills to an advanced level. Students will participate in a variety of performance experiences. This course will enhance the district community by raising the aesthetic appreciation of the arts and reinforcing the value of the arts to society.

Concert Band

6016

Grade Level: 9-12
Length: Year class (10 credits); May be repeated for credit
Prerequisite: Permission of instructor
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("f") requirement for UC/CSU.

Concert Band is an instrumental music class designed to provide students with a source of aesthetic appreciation and enjoyment as well as an experience in ensemble playing. Students must be able to play with a moderate degree of skill and show consistent improvement in their abilities. **A number of extra-curricular performances are a required part of this course.**

Concert Choir

6099

- Grade Level:** 9-12
Length: Year class (10 credits); May be repeated for up to 20 credits
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("F") requirement for UC/CSU.

Concert Choir is a beginning to intermediate choral ensemble. An emphasis on musicianship, vocal production, and vocal techniques. **All performances are mandatory.** At least one performance is scheduled per semester.

A Capella Choir

6092

- Grade Level:** 9-12
Length: Year class (10 credits); May be repeated for up to 20 credits
Prerequisite: Men's/Women's Chorus and/or audition/permission of instructor
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Does not apply

A Cappella Choir is an intermediate choral music class designed for singers with significant vocal/choral experience. Emphasis is on intermediate musicianship, vocal/choral experience and vocal/choral technique. Participation in performances of the A Cappella Choir is mandatory.

Jazz Band

6037

- Grade Level:** 9-12
Length: Year class (10 credits); Entry at semester with permission of instructor
Prerequisite: Concurrent enrollment in Symphonic or Concert Band and permission from instructor through audition.
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("F") requirement for UC/CSU.

Jazz Band is an advanced instrumental music and theory class designed to provide a source of aesthetic enjoyment and instruction in practice and performance in the concepts and techniques of various styles of jazz. Students must be able to play with a high degree of skill and show consistent improvement in their abilities. Emphasis is placed upon improvisation and the accompanying music theory. **A number of extra-curricular performances are a required part of this course.**

Percussion Ensemble Studies

6046

- Grade Level:** 9 - 12
Length: Semester class (5 credits); May be repeated for credit

- Prerequisite:** One year of Concert Band and/or permission of instructor
Graduation: Fulfills Fine Arts requirement or elective credits

College Prep: Does not apply
Percussion studies is designed to focus on the 40 essential rudiments of percussion. Rhythmic theory and percussive techniques will allow for developing skills necessary to perform as a drum unit or ensemble member. Students will audition and perform at concerts with large band ensembles, jazz band and orchestra as needed. Ensemble playing techniques will be stressed in class as well. Students have the opportunity to audition for Varsity and Jr. Varsity drumline. As a member of Varsity drum line, members will march in local parades and play in Pep Band in the fall and spring. This course meets U.C. "F" requirement.

Introduction to Music

6060

- Grade Level:** 9-12
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Elective credits
College Prep: Does not apply

Intro to Music is designed for students with little or no formal training in music that desire to learn to read music notation and try various musical outlets of performance including singing and instrument playing. This course will focus on building music foundation skills in reading music notation (pitch and rhythm) through written study and practical application of skills using singing, rhythm games, pitched percussion instruments (such as boomwhackers, handchimes, and handbells), and other instruments. Solfege (Do, Re, Mi) skills will be learned to build sight reading and sight singing skills necessary to progress in further music classes. Students will explore an overview of the various types of musical performing groups, genres, and career pathways available in the field of music.

Music Theory and Technology

6198

- Grade Level:** 9-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Does not apply

Music Theory & Technology is open to students in grades 9-12. Students will discover and explore concepts used in music sequencing, notation and recording. No prior musical experience is needed, however, having training on an instrument or voice is highly recommended. Students will create music using sequencing/editing software, gain songwriting skills, discover how technology is used in the production of music, produce basic-level music technology projects, and learn MIDI recording and editing techniques.

Men's Chorus (Beginning)

6070

- Grade Level:** 10 - 12
Length: Semester class (5 credits) (may be repeated for credit up to 40 credits)

Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits

College Prep: Does not apply

Student must be able to match pitch. This will be determined by instructor during the first 2 weeks of the semester. Men's Chorus is a choral music class designed both for students with little or no vocal experience and more experienced singers. Emphasis is on beginning musicianship, vocal production, and vocal technique. All performances are mandatory.

Women's Chorus (Beginning)

6086

Grade Level: 10 – 12
Length: Semester class (5 credits); may be repeated for credit up to 40 credits

Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("F") requirement for UC/CSU.

Student must be able to match pitch. This will be determined by instructor during the first 2 weeks of the semester. Men's/Women's Chorus is a choral music class designed both for students with little or no vocal experience and more experienced singers. Emphasis is on beginning musicianship, vocal production, and vocal technique. All performances are mandatory.

Orchestra

6036

Grade Level: 9–12
Length: Year class (10 credits); Entry at semester with permission of instructor; May be repeated for credit

Prerequisite: Permission from instructor.
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("F") requirement for UC/CSU.

Orchestra is an advanced instrumental music class designed to provide students with a source of aesthetic enjoyment and instruction in practice and performance of the various styles of classical literature composed primarily for (but not limited to) the orchestral stringed instruments. Students must be able to play with a high degree of skill and show consistent improvement in their abilities. A number of extra-curricular performances are a required part of this course.

Playwriting 1

6101

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits

College Prep: Does not apply
Playwriting will enable students to think and write creatively and dramatically and will provide a foundation for more advanced dramatic writing and theatre courses. This course will expose students to dramatic literature that serves as an example of good playwriting and theatrical thinking. We will enable students to

explore the writing process in and outside of class and place an emphasis on the re-writing stage of the process. This course requires students to keep a Story Journal of cultural observations and ideas for plays, and submit a series of playwriting assignments whose topics will be self-generated and/or supplied by the instructor and at the end of the class students are required to submit a ten-minute play fit to be performed on the stage.

Screenwriting

6192

Grade Level: 11-12
Course Length: Year class (10 credits)
Prerequisite: Art of Video Production or Creative Writing.

Graduation: Fulfills Fine Arts/World Language requirement or elective credits

College Prep: Does not apply
Students will sharpen their critical and analytical skills by participation in class discussions/critiques of the work of both professional screenwriters and peers. Students will foster the development of a critical vocabulary and approach in order to better evaluate screenplays, and to articulate their own aesthetic tastes in a positive manner. Students will develop the ability to talk and write perceptively and articulately about screenplays, both professional and student-generated.

Select Singers (Chamber)

6100

Grade Level: 9 – 12
Length: Year class (10 credits); May be repeated for up to 40 credits

Prerequisite: Permission of Instructor
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA ("F") requirement for UC/CSU.

Select Singers is an advanced choral music class designed for singers displaying a high degree of vocal/choral experience and skill. Emphasis is on more advanced facets of musicianship, vocal/choral production and vocal/choral technique. Participation in performances of the Select Singers is mandatory.

Symphonic Band

6020

Grade Level: 10 - 12 (9th grade by audition only)
Length: Year class (10 credits); may repeat for credit

Prerequisite: Concert Band and/or permission of instructor

Graduation: Fulfills Fine Arts/World Language requirement or elective credits

College Prep: Fulfills VAPA ("F") requirement for UC/CSU.

Symphonic Band is an advanced instrumental music class designed to provide students with a source of aesthetic enjoyment and an experience in advanced ensemble playing. Students must be able to play with a high degree of skill and show consistent improvement in their abilities.

A number of extra-curricular performances are a required part of this course.

Theatre Arts I

6104

- Grade Level:** 9–12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA (“F”) requirement for UC/CSU

This is an introductory course giving students a survey of various aspects of theatre and drama. Students will learn about theatre history, a theatre environment, basic movement and vocal techniques and the design process. Successful completion of this course will enable students to take Theatre Arts II and Theatre Production and Stagecraft I.

Theatre Arts II

6166

- Grade Level:** 10 - 12
Length: Year class (10 credits)
Prerequisite: Theatre Arts I and successful completion of entrance requirements (audition, testing and interview)
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA (“F”) requirement for UC/CSU.

This course is designed to provide instruction and experience for students who wish to become proficient in theatre vocabulary and techniques through a variety of performance experiences, writing activities and research projects. Successful completion of this course and successful completion of placement requirements (audition, testing and interview) will enable students to take Theatre Arts III

Theatre Arts III

6176

- Grade Level:** 10 - 12
Length: Year class (10 credits)
Prerequisite: Theatre Arts I, Theatre Arts II and successful completion of entrance requirements (audition, testing and interview)
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills one year VAPA (“F”) requirement for UC/CSU.

This course is designed to provide instruction and practice for students who wish to refine their acting skills. Students will learn to create characters through theater games, improvisation, monologues and scene work. Units for this course will include advanced stage make-up techniques, performance resumes and performances with an emphasis on 20th century drama.

Theater Production and Stagecraft I

6130

- Grade Level:** 9 -12
Length: Year class (10 credits)
Prerequisite: none
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Does not apply

This course is designed for students who wish to learn about all areas of technical theater and theater production. The course will focus on the practical application of stagecraft theory, knowledge, and skills.

Theater Production and Stagecraft II

6136

- Grade Level:** 10-12
Length: Year class (10 credits)
Prerequisite: Theatre Production and Stagecraft I
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Does not apply

Theatre Production and Stagecraft II is a one year course designed for students who desire to advance their proficiency in various facets of non-performance and technical theatre production work. The course provides an opportunity for the practical application of the theory, knowledge and skills learned. Students will function as a part of a technical team in planning, implementing, and running the technical aspects of theatrical productions. Students may apply design and technical knowledge to support a school production.

Wind Ensemble

6047

- Grade Level:** 11 - 12 (10th grade by teacher approval)
Length: Year class (10 credits); may repeat for credit
Prerequisite: Concert Band or Symphonic Band and/or permission of instructor
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Pending a-g approval

Wind Ensemble is an advanced instrumental music class designed to provide students with a source of aesthetic enjoyment and an experience in advanced ensemble playing. Students must be able to play with a high degree of skill and show consistent improvement in their abilities.

A number of extra-curricular performances are a required part of this course.

Vocal Master Class

6192

- Grade Level:** 10 - 12
Length: Year class (10 credits); may repeat for credit
Prerequisite: Any choir class
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Does not apply

This is an advanced choral/vocal music class for singers to work on individual skills as soloists, group skills in duets and the small ensembles, and leadership and professional skills as a musician. This class will prepare students for professional opportunities and auditions in several musical

fields by teaching a variety of repertoire for their musical portfolio, as well as stage practices, arranging, interpersonal and leadership skills.

WORLD LANGUAGES



AP Spanish 4 – Language & Culture

3642

Grades: 11 & 12
Length: Year class (10 credits)
Prerequisite: Spanish 3 or 4
Graduation: Fulfills Elective Requirements.
College Prep: Does not apply. Students will receive an extra grade point bonus for grades A-C.

This course is an advanced Spanish course for students who have satisfactorily completed Spanish 3 or 4. Students will prepare for the AP exam by speaking and writing in Spanish. Students in the AP Spanish Language and Culture course demonstrate an understanding of the culture(s), incorporate interdisciplinary topics (Connections), make comparisons between the native language and the target language and between cultures (Comparisons), and use the target language in real-life settings (Communities). Students will use Spanish as the language of communication in the class.

French 1

3510

Grade Level: 9 -12
Length: Year class (10 credits)
Prerequisite: none
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of World Language (“e”) requirement for UC/CSU.

French 1 is a college-preparatory course that introduces students to the French language and culture. The course emphasizes basic communication skills, vocabulary building, reading and writing. Colleges will not acknowledge courses completed with less than a C grade.

French 2

3520

Grade Level: 10 -12
Length: Year class (10 credits)
Prerequisite: French 1 or teacher approval
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of World Language (“e”) requirement for UC/CSU.

French 2 allows students to communicate more fully in oral and written French. Students may have the opportunity to expand their communications skills through interviews, oral presentations and an e-mail correspondence with French classes in the U.S.A. and the world. A grade C or better in previous French class will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

French 3

3530

Grade Level: 10 -12
Length: Year class (10 credits)
Prerequisite: French 2
Graduation: Fulfills Fine Arts/World Lang. requirement
College Prep: Fulfills one year of World Language (“e”) requirement for UC/CSU.

French 3 challenges students to speak, read and write at more advanced levels. Students, via internet, may have the opportunity to visit French-speaking areas such as Africa, Canada, France, Switzerland, and Tahiti. Students are encouraged to speak and write with greater fluency and detail. French is spoken most of the time in class. A grade C or better in previous French class will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade. Colleges will not acknowledge courses completed with less than a C grade.

French 4

3540

Grade Level: 10 -12
Length: Year class (10 credits)
Prerequisite: French 3
Graduation: Fulfills Fine Arts/World Lang. requirement
College Prep: Fulfills one year of World Language (“e”) requirement for UC/CSU.

French 4 will continue expanding students' ability to communicate in the target language. Students will continue increasing their vocabulary and reading and writing skills. They will also continue to learn more about the culture of the countries where the language is spoken. The cultural content is interwoven in all aspects of language development. Colleges will not acknowledge courses completed with less than a C grade.

Spanish for Native Speakers 2

3676

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Native/Fluent Speaker
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Does not apply

Spanish for Native Speakers II is a course designed for students that are fluent speakers in intermediate Spanish but need further development of academic Spanish. The emphasis of this course will be on vocabulary development, listening comprehension, grammar, reading and writing skills at an intermediate level. Students will continue to develop their reading and analytical skills in literature.

Spanish 1

3610

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: none
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of World Language (“e”) requirement for UC/CSU.

Spanish 1 is an introduction to Spanish emphasizing basic

vocabulary, grammar and sentence structure. Learning the basics of speaking and writing in Spanish could be integral to securing a better job in the future. It can also make travel in Spanish-speaking countries more enjoyable. Colleges will not acknowledge courses completed with less than a C grade.

Spanish 2

3620

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Spanish 1 or teacher approval
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of World Language ("e") requirement for UC/CSU.

Spanish 2 students continue to practice speaking, reading, and writing in Spanish. They learn some practical conversational skills as well as learn about some countries and cultures where Spanish is spoken. Students may be asked to keep journals with short entries and incorporate what they have learned into short essays. A grade C or better in previous Spanish class will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

Spanish 3

3630

Grade Level: 10 - 12
Length: Year class (10 credits)
Prerequisite: Spanish 2
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of World Language ("e") requirement for UC/CSU.

Students are challenged to read, write, and speak at more advanced levels. They read short stories and excerpts from Hispanic literature. They also write original compositions and conversations in Spanish, which may include informal productions of skits or the keeping of a journal. Hispanic culture is also interwoven into the course for greater cross-cultural understanding. Some new grammar is introduced and previously learned grammar is strongly reinforced. A grade C or better in previous Spanish class will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

Spanish 4

3640

Grade Level: 10 - 12
Length: Year class (10 credits)
Prerequisite: Spanish 3 or literate native speaker.
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of World Language ("e") requirement for UC/CSU.

Spanish 4 is an advanced course in which students attain intermediate level in speaking, reading, and writing in Spanish. This course includes a brief review of all previously learned grammar. Using art as well as authentic literature as vehicles for language acquisition, students develop their linguistic abilities and enrich their cultural understanding. Field trips reinforce what has been studied in class. This allows students to connect the classroom to

the outside world thereby validating what they study and making it relative to contemporary society. A grade C or better in previous Spanish class will assure greater success in this class. Colleges will not acknowledge courses completed with less than a C grade.

NON-DEPARTMENTAL



AFJROTC 1

7201

Grade Level: 9- 11
Length: Year class (10 Credits)
Prerequisite: None
Graduation: Fulfills elective credits

This is the recommended first AS course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. The LE-100 textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship.

AFJROTC 1/PE 10

7201P

Grade Level: 10 - 11
Length: Year class (10 Credits)
Prerequisite: Completion of PE 9
Graduation: Fulfills elective credits

PE 10 credit option (in lieu of elective credit) for available to grades 10 and 11 only. See full course description listed for course 7201 – AFJROTC 1

AFJROTC 2: The Science of Flight

7202

Grade Level: 10 -12
Length: Year class (10 Credits)
Prerequisite: AFJROTC 1
Graduation: Fulfills elective credits

The Science of Flight: A Gateway to New Horizons is an introductory course and customized textbook that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The

course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students.

Leadership Education 200 stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

AFJROTC 2: The Science of Flight/PE 10 7202P

Grade Level: 10 -12
Length: Year class (10 Credits)
Prerequisite: AFJROTC 1; Completion of PE 9
Graduation: Fulfills elective credits
PE 10 credit option (in lieu of elective credit) for available to grades 10 through 12 only. See full course description listed for course 7202 – AFJROTC 2: The Science of Flight.

AFJROTC 3: Exploring Space 7204

Grade Level: 10-12
Length: Year class (10 Credits)
Prerequisite: AFJROTC 1
Graduation: Fulfills elective credits
The Aerospace Science portion of this course provides an overview of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and prolonged periods. The Leadership Education portion of the course will allow students reveal their attitudes, aptitudes, and personal skills. This self-understanding will allow them to explore career paths and understand requirements that they will need to be successful at work and in life. To help students increase their potential for success through education, they will learn how to select a school that is right for them; how to apply for admission to a vocational or technical school, community college, or college/university; and how to succeed in these learning environments. Information is provided on how to conduct the job search for students who wish to enter the workforce right after high school or after additional education and training. They will learn how to prepare a winning résumé, and how to develop effective interviewing skills.

AFJROTC 4: Survival and Return 7205

Grade Level: 10-12
Length: Year Class (10 Credits)
Prerequisite: AFJROTC 1
Graduation: Fulfills elective credits
The Aerospace Science portion of the course focuses on basic survival skills. It will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also

presents “good to know” information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm. This Leadership Education portion of the course provides exposure to the fundamentals of management. The course contains many leadership topics such as the techniques and skills involved in planning and decision making; the importance of managing change, stress, and innovation; the key elements of individual and group behavior; the importance of the communication process; and the characteristics of a good leader.

AP Seminar 3174

Grade Level: 10 - 12
Length: Year class
Prerequisite: Taken at least one AP course in 9th or 10th grade, or taking concurrently (Recommended)
Graduation: Fulfills elective credits
College Prep: Does not apply

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues through analysis of divergent perspectives. The student will utilize inquiry framework to include: reading and analyzing articles, research studies, foundational/literary/philosophical texts, listening and viewing speeches/broadcasts/personal accounts, and experiencing artistic works/performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral/visual presentations. This course provides students with the skills to analyze and evaluate information and evidence-based arguments with accuracy.

COUNS 032: Introduction to Career Exploration

LOS MEDANOS
COLLEGE

Grade Level: 11-12
Length: semester class (5 Credits) offered 1st semester *ONLY*
Prerequisite: none
Graduation: Fulfills elective credits; Dual Enrollment 1.5 units

This course is an intense career exploration designed to engage students in their own career development. Topics include how to realistically assess, review, and interpret various area such as interests, attitudes, values, priorities, skills and strengths, goals, and a career options in the current job market. This course also covers financial literacy.

LMC: Degree Applicable; Transfer: CSU

COUNS 034: College Success

LOS MEDANOS
COLLEGE

Grade Level: 12
Length: semester class (5 Credits) offered 2nd semester *ONLY*
Prerequisite: none
Graduation: Fulfills elective credits; Dual Enrollment 1.5 units

This course is designed to help students develop critical thinking skills and personal confidence necessary to succeed in college. Topics will include problem solving techniques, learning styles, time management, goal setting,

study skills and test taking strategies, stress management and LMC support services.

LMC: Degree Applicable; Transfer: CSU

Driver Education/Decision Making

2820 (15 ½ by Dec 20, 2018) or

2830 (15 ½ by June 6, 2019)

Grade Level: 9 – 12

Length: Semester Class (5 credits)

Prerequisite: Age 15 by end of Semester

Graduation: Fulfills elective credits

College Prep: Does not apply

The students learn to become safe, defensive and responsible drivers within the transportation system by studying the vehicle code and safe driving practices in order to obtain certification to take the California DMV written exam. Decision Making: The students complete personality profiles and explore career pathways and education choices that will lead to satisfying and successful careers. Students also learn how to use the Career Center.

Foundations for Success

7457

Grade Level: 9 -10

Length: Semester class (5 credits)

Prerequisite: None

Graduation: Fulfills elective credits

College Prep: Does not apply

This course focuses on skills for freshmen students to navigate high school effectively. Course contents include strategic reading strategies, study skills, time management, note taking and organizational skills. Students participate in career exploration and planning.

Health

2700

Grade Level: 9

Length: Semester class (5 credits)

Prerequisite: None

Graduation: Fulfills Health requirement

College Prep: Does not apply

This course is designed to help students examine their lifestyles, select goals, and make plans to achieve and maintain optimum health. The course focuses on choosing behaviors, which help prevent illness and accidents, promote health for ones' self and others, and improve the quality of the environment. The course promotes responsible decision-making and provides students with life management skills they can use for the rest of their lives.

Introduction to Student Government & Leadership

7488

Grade Level: 9

Length: Semester Class (10 credits)

Prerequisite: None

Graduation: Fulfills elective credits

College Prep: Does not apply

The introduction to Student Government and Leadership is designed to provide a strong foundation and the necessary training to better assume the responsibilities required of student leaders. Students will be introduced to the skills and characteristics of effective leadership. Students will learn the event planning process from start to finish, with emphasis placed on reflection and follow through. Students will be introduced to concepts needed to participate and understand student government, providing an avenue for learning and interpreting the Constitution and By-laws of the Associated Students. The course will prepare students for participation in one of the upper level leadership courses, ASB Leadership, Link Crew Leadership or PLUS Leadership.

Leadership PLUS

7487

Grade Level: 11 - 12

Length: Year class (10 credits); May repeat

Prerequisite: By application process only

Graduation: Fulfills elective credits

College Prep: Does not apply

PLUS is a youth facilitated class that utilizes social leadership qualities to connect all students on a campus. A diverse cross section of student leaders facilitate a series of activities that create communication, connections, care and community amongst a student body. Utilizing best practice strategies, the PLUS Team student leaders serve as the liaison between the student body and the adults on a campus. PLUS is a student centered mentoring class, focusing on connecting the student body to the campus to strengthen the climate and culture of the school. This class engages, develops and trains students to be leaders and mentors through the implementation of monthly leader-led forums. The class uses survey data from students and solicits input from a cross section of the campus to come up with solutions to issues and problems on campus.

Link Crew

7482

Grade Level: 10 - 12

Length: Semester class (5 credits)

Prerequisite: By application process only

Graduation: Fulfills elective credits

College Prep: Does not apply

Link Crew is a student centered mentoring class. This class engages, develops and trains students to be leaders and mentors. Link Crew is about facilitating a smooth transition both socially and academically for all freshmen throughout the school year. Link Crew is about more than events: it is about helping freshmen achieve success and it is that initial success that propels freshmen toward continued success throughout high school. The Link Crew class is based upon seven units of study developed by the Boomerang Project.

Peer Tutoring

8025

Grade Level: 10 - 12

Length: Semester class (5 credits); May repeat for max 10 credits
Pass/Fail grade

Prerequisite: 2.5 overall GPA; 3.0 GPA or better in tutoring subject; must have completed full course before student can be a peer tutor for the class.

Graduation: Fulfills elective credits

Peer tutoring provides the student with an opportunity to work in the education field. Students will receive training and experience in working with various learning styles, instructional strategies, study skills, and communication skills. These tutoring skills will be used in classrooms to assist individual students needing assistance to improve performance or receive clarification in a specific school course or subject. Peer tutors will be monitored and supervised by the assigned classroom teacher. Peer tutors will be provided with counseling and training sessions to assist and enhance their tutoring skills.

PUSH (Preparing University Students in High School)

7371 (year 1 - *articulated with LMC)

7372 (year 2)

7373 (year 3)

7374 (year 4)

Grade Level: 9 - 12

Length: Year class (10 credits)

Prerequisite: Counselor recommendation, qualifying data, and/or interview application process

Graduation: Fulfills 10 elective credits

College Prep: Does not apply; articulated with LMC for 3 college units for Counseling 032-034.

PUSH 9 (7371) is a college-level course and students will be awarded college credit by Los Medanos College through a process known as "course-to-course articulation" or "credit by exam." If you receive a "C" or better in the class you will be eligible to claim the FREE college credit for Counseling 032-034 at LMC. If you score lower than a "C", the course will be treated as though it is a regular high school course.

Description: PUSH is an elective course/program where students learn organizational and study skills, work on critical thinking and ask probing questions, get academic help from peers and tutors, and participate in enrichment and motivational activities that make college attainable. The PUSH acronym stands for "Presenting University Skills in High School". It is driven by the WICOR method, which stands for writing, inquiry, collaboration, organization and reading, which is a great strategy for being successful in all disciplines on campus. PUSH is a year-long (two semester course) and the program is designed to be run each year of high school through the senior year. PUSH 9 is articulated through LMC and has the "Get Focused, Stay Focused" curriculum integrated into its framework.

Staff Assistant

8010

Grade Level: 11 - 12

Length: Semester class (5 credits); May repeat for max of 20 credits
Pass/Fail grade

Prerequisite: Permission of Counselor or Instructor, cumulative 2.0 GPA or administrative approval

Graduation: Fulfills elective credits

College Prep: Does not apply

Students in these courses will work under teacher or administrator supervision in a work or lab setting within the school environment.

Student Leadership

7480

Grade Level: 9 - 12

Length: Year class (10 credits); May repeat

Prerequisite: By application process only

Graduation: Fulfills elective credits

College Prep: Does not apply

Students learn the skills to become inspiring leaders: effective communication skills, team-building, working well with teams, running effective meetings, conflict resolution, negotiations, overcoming obstacles, creative problem-solving, creating a vision, setting goals, and implementing plans. Students orchestrate and carry out school wide events and activities and contribute to the building of our community. Students are selected through a recommendation and screening process

Study Hall

7680

Grade Level: 9 - 12

Length: Semester class (5 credits)

Prerequisite: None

Graduation: no credits issued

College Prep: Does not apply

Study Hall provides the opportunity for students to do their homework, study for exams, or work on class projects during the school day. Textbooks are available to the students, along with limited supplies for projects such as, markers, colored pencils, paper, calculators, etc. The goal of study hall is to provide an environment that encourages learning and study skills.

UNSCHEDULED PERIODS

7690

Unscheduled periods are class periods during which a student is not attending a class and is not on the campus. Students who have met the following eligibility requirements have the option of requesting unscheduled periods.

Eligibility Requirements:

1. Student is on track to graduate with their class (not behind in credits and/ or other graduation requirements).
2. Student has passed both sections (Math and English) of the California High School Exit Exam (CAHSEE).
3. Parent and student have both signed and submitted the unscheduled period application.
4. Administrator has approved unscheduled period application.

Additional Details:

1. 11th graders may only receive one unscheduled period per school year.

2. 12th graders may receive two unscheduled periods per school year.
3. Students will either be given beginning or last period off (based on course availability).
4. Students will NOT earn credits for their unscheduled period.
5. Students are not allowed on the HHS campus during their unscheduled period(s).