



Heritage High School



COURSE CATALOG 2021-2022

Heritage High School
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Introduction

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SLC – A

Danielle Winford, *Assistant Principal*
Kayla Morgan, *Counselor (A1)*
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SLC – C

Hugh Bursch, *Assistant Principal*
Mallu Moore/Jonathan Sanny, *Counselor*

SLC – B

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

SLC – D

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

Athletics

Nate Smith, *Athletic Director*

Student Leadership

Jessica Banchieri, *Student Activities Director*

College & Career Center

Michelle Snyder, *College & Career Center Coordinator*

Liberty Union High School District



Eric VoltaDistrict Superintendent

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.

School Wide Learning Outcomes

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.

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Heritage High School Class Change Policy

It is crucial that serious consideration be given to each of the courses a student selects, as student-requested course changes will not be considered in the fall. Students and parents should consider the expectations of each class requested, especially Advanced Placement (AP) courses, in terms of level of interest, student time and other commitments such as athletics, work, or other out of school activities. The completion of the COURSE REQUEST FORM, when signed by student and parent or guardian, constitutes a contract between student, parent or guardian, and Heritage High School. The master schedule of all classes and teacher assignments, which may include the hiring of teachers to teach those classes, is based on the courses students select in the spring.

POLICY FOR DROPPING A CLASS

A student who drops a course not required for graduation during the first three weeks of the grading period may do so without any entry on his/her permanent record. A student who drops a course after the first three weeks of the grading period shall receive a W/F grade on his/her permanent record, unless otherwise decided by the principal or designee because of extenuating circumstances. This change will only be permitted if the student schedule and master schedule contractual limits permit.

Advanced placement and other course level changes may be done up until the first nine weeks of the semester.

Schedule changes create significant problems for students. The master schedule of classes and the assignment of teachers to teach those classes are based on courses students chose in the spring; therefore, **CHANGES ARE MADE FOR ACADEMIC MISPLACEMENT OR COMPUTER ERROR ONLY.**

Classes are not changed due to teacher preferences. Only when a parent, student, teacher, and administrator are in agreement that a change is in the best interest of a student, will a change be made. In those special cases, the following process will be:

First	Student/Teacher Conference
Second	Parent/Teacher Conference
Third	Assistant Principal/Student/Teacher Conference Assistant Principal/Student/Parent/Teacher Conference Assistant Principal recommendation for change communicated to Student/Parent/Teacher
Fourth	Parent can appeal decision to Principal

The Home as a Learning Center - *Some Tips for Parents*

- 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.
- 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."

Heritage High School Programs

Core Program

Students are enrolled in one of four small learning communities (SLC A, B, C or D) and remain throughout their tenure at HHS. The building communities consist of an assistant principal, counselor and secretary. This structure allows students to experience a smaller, more personal educational community while attending LHS.

ROP Program

Operated by the Contra Costa County Office of Education, the Regional Occupational Program is a primary source of career training for high school students in our county. State certified teachers, high tech equipment and a commitment to students ensure a positive learning experience. Located on high school campuses, ROP courses are part of a student's regular high school schedule. Students complete 90-540 hours of sequenced curriculum and earn high school graduation credits and/or college units. Students can earn Certificates of Proficiency. Students must be 16-years-old, a junior or a senior to be enrolled in ROP courses. For more information, go to www.cocoschools.org/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.

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 Program

Special education staff meets 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 the approval of the IEP team, and an Individualized Educational Plan must be 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. The 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. Students participate in general education classes as determined by their IEP teams. Upon 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. Students 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 (AP) Courses

Advanced Placement courses give students the opportunity to take college level courses in a high school setting. AP courses also prepare students to take specific AP examinations which can earn them college credits. A grade of 3, 4, or 5 on the AP exam could earn college credits depending on each individual college's rules and requirements. AP courses also grant an extra grade point with a "C" grade or better in the class. The Liberty Union High School District has an open enrollment policy for its AP courses, meaning they are open to all highly motivated students. However, be aware that there is a great deal of outside reading, writing, and studying in addition to the work done in class. If you are interested in taking AP classes please discuss the matter with your parents, school counselor, and the teacher of the AP classes which interest you.

High School/ROP Articulation

High School/ROP articulation is a process that aligns curriculum and instruction to provide a seamless transition between high school, community college and college/university levels in a career pathway. Articulation agreements create sequences of progressive, non-duplicated education leading to technical skill proficiency, a credential, a certificate and/or a degree in a wide range of fields and careers. Such agreements include "Credit by Examination" so that students may receive college credit for rigorous coursework taken at the high school level (serving as Advanced Placement classes for Career Technical Education). Through the "Credit by Examination" process, high school students may receive credit at the college level for articulated courses. Students receive the grade earned on the "Credit by Examination" for the college transcript.

Dual Enrollment Program

- Earn college credits while still in high school
- Save time and money - Dual Enrollment courses are free
- Classes taught on your high school campus
- Taught by teachers who meet the minimum qualifications at the community college level
- Complete a college degree or certification at an accelerated rate
- Get a head start on a great GPA
- Use LMC free resources - Library, tutoring, counseling, career and transfer services and more
- Credits are transferable to most colleges and universities
- Results in a permanent college transcript

This head-start on a college education can significantly improve your chances of graduating from college with a certificate, degree or ready to transfer to another accredited institution of higher learning.

Graduation Requirements for HHS / LUHSD

Note: the following requirements must be met to receive a diploma from the Liberty Union High School District.

Course Requirements (10 Credits = 1 year)		
Course		Credits
English	Students must pass English 9, 10, 11 and 12	40
Social Science	One year of World History (10 th) One year of U.S. History (11 th) One semester of American Government (12 th) One semester of Economics (12 th)	30
Mathematics	Students must pass three years of mathematics with completion of Algebra 1 and Geometry	30
Science	One year of Life Science One year of Physical Science	20
Fine Arts OR World Language	1 year	10
Physical Education	One year of 9 th grade P.E. One year of 10 th grade P.E.	20
Health	Students must take on semester of health education	5
Electives		115
Total number of credits required for graduation		270

In order to graduate and earn a diploma, students must (1) complete 270 credits; and (2) complete the required course of study as noted above. Students who do not fulfill all of these requirements are not eligible to graduate from Heritage High School.

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

Heritage High School 4 – Year Planning Sheet

NAME:
ID#
CLASS OF:

Grade	Required Courses	Student Courses	Grades	Credits	Graduation / Future Goals Checklist
9 (70 cr)	English 9	English 9			Post High School Goals:
	Math				
	Science	Living Earth			Supporting Activities: (9-12)
	Physical Education	PE 9			
	Health/Elective	Health/Elective			
	Elective				
	Elective				
	Elective				
Summer School					Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/ Future Goals Checklist
10 (140 cr)	English 10	English 10			Post High School Goals:
	Math				
	World History	World History			Make Appt. with Career Center
	Science	Chemistry in the Earth System			Eureka - <i>Coupon code X7HR2CM</i>
	Physical Education	PE 10			CSU Mentor
	World Lang./Fine Art				
	Elective				Spring PSAT 10
	Elective				
Summer School					Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/ Future Goals Checklist
11 (210 cr)	English 11	English 11			Post High School Goals:
	Math				
	U.S. History	U.S. History			Make Appt. with Career Center
	Science/ Elective				Fall PSAT/NMSQT
	Elective				ACT
	Elective				SAT Reasoning
	Elective				
	Elective				
Summer School					Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/ Future Goals Checklist
12 (270 cr)	English 12	English 12			Post High School Goals:
	Amer.Govt / Econ.	Govt/ Econ			
	Math/ Elective				
	Science/ Elective				College Bound:
	Elective				ACT
	Elective				SAT Reasoning
	Elective				
	Elective				Community Service: 20 hours
Summer School					Total Credits to Date:

CSU – UC Comparison of Minimum Freshman Admission 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 civics or American government AND one year of social science)		
“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 (including one biological science and one physical science that provides fundamental knowledge from two of these three subjects: Living Earth, Chemistry in the Earth System or Physics in the Universe)		
“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 year-long 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.			

N Pass/Credit grades allowed for A-G coursework completed in winter/spring/summer 2020.

** High school-level coursework completed in 7th and/or 8th grade can be used to meet the area C and/or E requirements.*

*** It is best to prepare for both 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	Applicants to CSU are not required to submit ACT or SAT scores. The CSU will temporarily suspend the use of ACT/SAT examinations in determining admission eligibility for all CSU campuses for the 2021-2022 academic year. Student will not be penalized if they choose not to submit scores.	Applicants to UC are not required to submit ACT or SAT scores. Students who choose to submit scores will report the scores in their application no later than December 31. Students will not be penalized in the application review process if they choose not to submit scores. Students are no longer required to take the SAT Essay or ACT Writing Test. Some campuses may <u>recommend SAT Subject Tests for specific majors.</u>
VALIDATION OF SUBJECT REQUIREMENTS BY OTHER COURSES		
Mathematics	A letter grade of C or better in the second semester of Geometry will validate the first semester. A letter grade of C or better in the first semester of Algebra II validates both semesters of Algebra I. A letter grade of C or better in Statistics will validate Algebra I and Algebra II, but will not validate Geometry.	
	Integrated style Math 2 will be accepted in lieu of a Geometry course.	
	A letter grade of C or better in the second semester of an area C course with a discipline of Advanced Mathematics on the <u>A-G website</u> validates the entire high school college preparatory requirement. A letter grade of C or better in Integrated style Math 3 which includes geometry content validates the omission of Integrated style Math 2.	The omission of a full year of geometry cannot be validated by any higher-level coursework. A letter grade of C or better in Integrated style Math 3 which includes geometry content validates the omission of Integrated style Math 2. Refer to UC's Validation Matrix in <u>Quick Reference Guide to UC Ad missions.</u>
Language Other Than English (LOTE)	A letter grade of C or better in a semester of 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 high school LOTE courses. The level of validation depends on the college course prerequisite and description. For courses offered at a California Community College refer to ASSIST and look for the footnote indicating the course is equivalent to two years of high school instruction.	
Chemistry in the Earth System	A grade of C or better in the second semester of Chemistry <u>will</u> validate the first semester.	UC does not allow validation of Chemistry.
VALIDATION OF DEFICIENT D/F GRADES IN REQUIRED COURSES		
Required "a-g" courses must be completed with a grade of C or better. Courses in which grades of D/F are earned must be repeated, EXCEPT in the areas of math and language other than English, where grades of D/F can be validated by successful completion of higher-level coursework.		

VALIDATION OF SUBJECT REQUIREMENTS BY TEST SCORES		
Required A-G courses may be satisfied with appropriate test scores on SAT, SAT Subject Tests, Advanced Placement exams, and designated International Baccalaureate exams. A list of acceptable tests and scores is available on the CSU website; for UC, refer to <u>Quick Reference Guide to UC Admissions</u> . For UC, the omission of a course in Geometry cannot be validated by any examination score.		
HIGH SCHOOL GPA		
Calculate GPA using all A-G approved courses completed during the summer after the 9th grade through summer after the 11th grade---excluding deficient grades which have been repeated. CSU and UC do not use plus/minus grades in the GPA calculation; for example, a C- = C.		
Repeated courses are calculated once using the highest grade earned. When completing the online admission application, the repeated course is also only reported once using the highest grade earned.		Repeated courses are calculated once using the first instance of a letter grade of C, B, or A. UC does not average grades. However, when completing the UC admission application, all A-G courses and grades must be reported.
TEST SCORES – ACT/SAT		
ACT or SAT	Applicants to CSU are not required to submit ACT or SAT scores. The CSU will temporarily suspend the use of ACT/SAT examinations in determining admission eligibility for all CSU campuses for the 2021-2022 academic year. Student will not be penalized if they choose not to submit scores.	Applicants to UC are not required to submit ACT or SAT scores. Students who choose to submit scores will report the scores in their application no later than December 31. Students will not be penalized in the application review process if they choose not to submit scores. Students are no longer required to take the SAT Essay or ACT Writing Test. Some campuses may <u>recommend SAT Subject Tests for specific majors</u> .

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
AP Seminar *		

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

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

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

Anatomy & Physiology	Living Earth	AP Environmental Science *
AP Biology *	Biotechnology	Jumpstart to Engineering
AP Chemistry *	Chemistry in the Earth System	ROP Sports Medicine
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, 2, & 3	Concert Choir
Ceramics II	Advanced Art	Orchestra
AP Art History *	Design Drafting	AP Studio Art: Drawing *
AP Studio Art: 2-D Design *	AP Studio Art: 3-D Design *	Women's Chorus
Design 1	Intermediate Art	Intro. to Art History
Design 2	Art of Video Production	Jazz Band 1, 2, & 3
Symphonic Band	Percussion Ensemble	Select Singers

g-Elective – 1 year required

AP Psychology *	AP Macroeconomics *	Economics
ROP Robotics Engineering Tech.	Exploring Computer Science	Introduction to Health Careers
Child Development	Foundations of Law, Govt & Public Service	Speech and Debate
Creative Writing	ROP Journalism	ROP Drafting CADD
Journalism (ROP)	Sports Management	Mock Trials, Moot Courts & Trial Advocacy
Literary Analysis through Film	Sociology	Entomology
Psychology within Society	ROP Law Enf./Adm. Of Justice	AP Research *
Computer Programming	Computer Service Repair 1	Teaching & Learning Careers Internship
Health Career Core		

NCAA Core Course List

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

English

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

Social Science

African American
History
American Government
AP Economics Macro
AP European History
AP Human Geography
AP Psychology
AP US Government & Politics
AP US History
AP World History
Child Develop.
Economics
Law/Govt/Public Service
Mock Trial & Moot Courts
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
AP Computer Science
Computer Programming
Intensified Algebra Pre
Calculus Statistics

Natural/Physical Science

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

Additional Core Courses

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

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 website 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.

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 job openings.	Electrical and Instrumentation Technology	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/Architecture	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	Child Development	Recreation or Social Health	Public and Private Education
Police Officer, Juvenile Rehabilitation, Security Officer, Investigative	Administration of Justice	Law and Government	Public Services
Fire Fighter. Avg salary \$74,000	Fire technology	Public Service	Public Services

Academy, Career and Technical Education (CTE) Pathways

Academy Program

There are currently four academies at HHS, each with a particular focus and career paths defined by majors. A major consists of a series of related courses within a career orientation. Enrollment in an academy is voluntary for students and staff. The goal is to provide the student, at the completion of the academy program, the option of entering the job market, enrolling at a community college or technical school, or pursuing collegiate studies with a clearly articulated academic background in a particular area. Students who complete an academy program are honored at graduation with a medallion.

Students are encouraged to explore our academy offerings and join the academy that best fits their personal interests and post-high school goals. Students are encouraged to explore and learn about our academy offerings as freshmen and then join an academy during their sophomore or junior year, if they choose to do so. More academy information can be found on the following pages for our four academies: Health; Technology; Arts and Entrepreneurial; and Public Services. 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.

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.

CTE Pathways

Prepare for your future career today! Complete one of the following CTE Pathways. This will prepare you for college and your career. Complete a minimum of 20 credits with a C or better in one of the following pathways (one must be a Capstone course) to earn a CTE Pathway medal to be worn at graduation. Please see the course catalog for course descriptions and prerequisites.

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.

- Patient Care Pathway
- Biotechnology Pathway

Academy Certification:

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

Health Science and Medical Technology Industry Sector- <i>Patient Care Pathway</i>	Health Science and Medical Technology Industry Sector- <i>Biotechnology Pathway</i>
<u>Required courses:</u>	<u>Required courses:</u>
<input type="checkbox"/> Sports Med <input type="checkbox"/> Advanced Sports Med	<input type="checkbox"/> Health Careers Core <input type="checkbox"/> Biotechnology
<u>Plus 30 credits from the following:</u>	<u>Plus 30 credits from the following:</u>
<input type="checkbox"/> AP Chemistry <input type="checkbox"/> Anatomy/Physiology <input type="checkbox"/> Sports Management <input type="checkbox"/> Biotechnology <input type="checkbox"/> Health Careers Core <input type="checkbox"/> AP Psychology/Psychology	<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.

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 – <i>Engineering Design Pathway</i>	Engineering and Architecture Industry Sector – <i>Engineering Technology Pathway</i>	Information and Communication Technologies Industry Sector – <i>Information Support and Services Pathway</i>	Information and Communication Technologies Industry Sector – <i>Software and Systems Development Pathway</i>
<u>Required courses:</u>	<u>Required courses:</u>	<u>Required courses:</u>	<u>Required courses:</u>
<input type="checkbox"/> Jumpstart to Engineering <input type="checkbox"/> Design Drafting <input type="checkbox"/> ROP CADD	<input type="checkbox"/> Jumpstart to Engineering <input type="checkbox"/> ROP Robotics Eng. I <input type="checkbox"/> ROP Robotics Eng. II	<input type="checkbox"/> Exploring Computer Science <input type="checkbox"/> Comp. Service/Repair I <input type="checkbox"/> Comp. Service/Repair II	<input type="checkbox"/> Exploring Comp Science <input type="checkbox"/> Computer Programming <input type="checkbox"/> AP Comp. Science A
<u>Plus 20 credits from the following:</u>	<u>Plus 20 credits from the following:</u>	<u>Plus 20 credits from the following:</u>	<u>Plus 20 credits from the following:</u>
<input type="checkbox"/> AP Physics/Physics <input type="checkbox"/> AP Statistics/Statistics <input type="checkbox"/> AP Calculus <input type="checkbox"/> AP Chemistry <input type="checkbox"/> Biotechnology <input type="checkbox"/> Design I	<input type="checkbox"/> AP Physics/Physics <input type="checkbox"/> ROP CADD/CADD <input type="checkbox"/> AP Computer Science A <input type="checkbox"/> Design Drafting	<input type="checkbox"/> AP Computer Science A <input type="checkbox"/> ROP Robotics Engineering I <input type="checkbox"/> AP Physics/Physics	<input type="checkbox"/> Comp. Service and Repair I/II <input type="checkbox"/> ROP Robotics Engineering <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.

Arts and Entrepreneurial Academy

Academy Overview:

The Arts and Entrepreneurial Academy gives students the opportunity to explore functional design as well as aesthetics.

Academy Industry Sectors and Pathways:

The Business and Arts/Media Pathways were 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.

- 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

Academy Certification:

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

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

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

Public Service Academy

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.

- Public Service Sector – Legal Practices Pathway

Education, Child Development, and Family Services Industry Sector is for students interested in careers involving teaching or working with children.

- Education, Child Development, and Family Services Industry Sector – Child Development Pathway

The Hospitality, Tourism and Recreation Sector is for students interested in careers involving the foodservice industry.

- Hospitality, Tourism and Recreation Sector – Food Service and Hospitality Pathway

Academy Certification:

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

Public Service Sector- <i>Legal Practices Pathway</i>	Education, Child Development, and Family Services Industry Sector- <i>Child Development Pathway</i>	Hospitality, Tourism and Recreation Sector – <i>Food Service and Hospitality Pathway</i>
<u>Required courses:</u>	<u>Required courses:</u>	<u>Required courses:</u>
<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	<input type="checkbox"/> Child Development <input type="checkbox"/> Teaching & Learning Careers Core (Internship)	<input type="checkbox"/> Culinary Arts I <input type="checkbox"/> Culinary Arts II
<u>Plus 20 credits from the following:</u>	<u>Plus 30 credits from the following:</u>	<u>Plus 30 credits from the following:</u>
<input type="checkbox"/> Leadership <input type="checkbox"/> Child Development <input type="checkbox"/> Speech and Debate <input type="checkbox"/> AP Language/AP Literature <input type="checkbox"/> Air Force JROTC 1,2,3,4 <input type="checkbox"/> AP World History <input type="checkbox"/> AP US History <input type="checkbox"/> AP Government & US Politics <input type="checkbox"/> AP Macro Economics	<input type="checkbox"/> World Cultures/Geo <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"/> AP Psychology/Psychology <input type="checkbox"/> Sociology	<input type="checkbox"/> Design 1 <input type="checkbox"/> Financial Algebra <input type="checkbox"/> Business Communication <input type="checkbox"/> Virtual Enterprise <input type="checkbox"/> World Cultures/Geo. <input type="checkbox"/> Business/Personal Fin. <input type="checkbox"/> Foundations of Law, Gov and Public Services

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

CAREER TECHNICAL EDUCATION

Academy Internship w/ Industry Partners Course #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
Description: 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 Course #4747

Grade Level: 10-12
Length: Year class (10 Credits)
Prerequisite: Geometry (prior programming course recommended)
Graduation: Fulfills math credits.
College Prep: Fulfills ("c") requirement for UC/CSU. Student will receive an extra grade point for grades A-C.
Description: 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 Course #2295

Grade Level: 9 - 12
Length: Semester class (5 Credits)
Prerequisite: Keyboarding
Graduation: Fulfills elective Credits.
College Prep: Does not apply
Description: 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 Course #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
Description: 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 Course #2516

Grade Level: 10- 12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits.
College Prep: Fulfills ("g") requirement for UC/CSU.
Description: 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 Course #2230

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

Description: 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**Course#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: Fulfills ("f") requirement for UC/CSU. (Articulated with Diablo Valley College for potential to earn up to 6 units of College credit. Please see Instructor for details.)

Description: 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.

Fire 101: Intro to Fire Fighting**Course #2750**

Semester 1 - Fall

Grade Level: 10-12

Length: 3 college credits/
10 high school credits

Prerequisite: none*Graduation:* Fulfills elective credit

College Prep: Does not apply
Dual Enrollment with Los Medanos College.

Description: This is an introductory class which provides foundational information on the fire service. It is designed to provide information regarding fire service history, fire safety, fire terminology, fire loss and fire facts. Students will also understand career opportunities in California Fire, Emergency Management Services and related fields. This is the basic core class within the Fire Technology program.

ADJUS 110: Intro to Criminal Justice**Course #2750**

Semester 2 – Spring

Grade Level: 10-12

Length: 3 college credits/10 high
school credits

Prerequisite: Fire Science 101 – fall semester*Graduation:* Fulfills elective credit

College Prep: Does not apply
Dual Enrollment with Los Medanos College.

Description: This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining the integrated, interdisciplinary methods of crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the justice system and the evolving forces that have shaped those principles and approaches. Although justice structure and process is examined in cross cultural context, emphasis is placed on the United States police, courts and corrections. Students are introduced to the origins and development of criminal law, legal process and sentencing and incarceration policies.

Intro to Mass Media**Course #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

Description: 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).

LOS MEDANOS
COLLEGE

Intro to Broadcasting**Course #4055**

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

Sports Broadcasting**Course #4057**

Grade Level: 10-12
Length: Year Class (10 credits)
Prerequisite: Introduction to Broadcasting and Media
Graduation: Fulfills elective credits
Description: This course is a second-year course for students who have taken Introduction to Broadcasting and is a chance to focus on sports related content. Students will be responsible for the content, operations, and management of the student-run sports show in a multi-camera television studio and control room. Additionally, students will produce a variety of live sports content used to promote programs within the school. Students will continue learning about signal flow, audio and video equipment, lighting, and the various positions within the studio. This is a project driven course where students will learn the responsibilities needed to run a sports broadcast including producing, directing, play-by-play and color analysis, sideline reporting, and various technical positions. Students will produce a weekly live sports show as well as producing live content for school sporting events.

Jumpstart to Engineering**Course #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
Description: This is an Fulfills ("d") requirement for UC/CSU 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**Course #4066**

Grade Level: 9 - 12
Length: Semester class (5 credits)
Prerequisite: Computer Keyboarding highly recommended
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: 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**Course #4021**

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Fulfills ("g") requirement for UC/CSU.
Description: 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**Course #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
Description: 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**Course #4077**

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: None.
Graduation: Fulfills elective credits
College Prep: Fulfills ("g") requirement for UC/CSU.
Description: 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**Course #4038**

Grade Level: 11-12
Length: Year class (10 credits)
Prerequisite: Computer Keyboarding
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: 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)**Course #1060Q**

Grade Level: 10 -12
Length: Year class (10 credits)
Prerequisite: Enrollment in Health Career Academy
Graduation: Fulfills elective credits
College Prep: Fulfills ("g") requirement for UC/CSU.
Description: 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**Course #2310**

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

Mock Trials, Moot Courts & Trial Advocacy Course #5329

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.
Description: 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) Course #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.
Description: 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.

Culinary Arts I**Course #2751**

Grade Level: 9 - 12

Length: Year class (10 credits)

Prerequisite: none

Graduation: Fulfills elective credits

College Prep: Does not apply

Description: The Food Service and Hospitality pathway focuses on the key aspects of the industry. Students pursuing this career pathway have in-depth, hands-on experiences that emphasize industry awareness; sanitation and safe food handling; food and beverage production; nutrition; food service management; and customer service.

Culinary Arts II**Course #2572**

Grade Level: 9 - 12

Length: Year class (10 credits)

Prerequisite: Culinary Arts I

Graduation: Fulfills elective credits

College Prep: Does not apply

Description: Course of Study Pending

ENGLISH

AP English Language and Composition Course #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.

Description: 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 Course #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.

Description: 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

Course #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

Description: 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

Course #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.

Description: English 9 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

Course #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.

Description: English 10 is a core literature-based program integrating literature with writing, grammar, mechanics, speaking and listening, vocabulary development, reading skills, and study skills.

English 11

Course #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.

Description: English 11 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**Course #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.
Description: English 12 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.

LMC English 100-Fall/English Elective-Spring**Course #0703/0701E**

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Grade Level: 12
Length: 3 college credits/10 high school credits for each semester (must take both semesters)
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.
 Dual enrollment class thru Los Medanos College.
Description: English 100 is a college-level course designed to help students develop critical reading, thinking and writing skills. Students read essays and articles dealing with multi-cultural issues and current events, and write effective thesis-driven academic essays which synthesize the readings. Students will produce at least 6,000 words of formal, final draft writing that draws upon the assigned readings as well as articles that students have researched on their own. They will also read, analyze and write about one book-length work.
The spring LMC English Elective class is to be determined by LMC and more information will be forthcoming in the fall via HHS school counselors.

Literary Analysis**Course #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.
Description: 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**Course #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
Description: 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**Course #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.
Description: 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.

MATHEMATICS

Algebra 1 **Course #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.
Description: 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 **Course #4563**

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Teacher Recommendation
Graduation: Fulfills one year of elective credits
College Prep: Does not apply
Description: Algebra 1 is an elective course designed for students currently enrolled in Algebra 1 who need additional help to be successful.

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

Algebra 2/Pre-Calculus **Course #0083**

Grade Level: 10 - 12
Length: Year class (10 credits)
Prerequisite: Successful completion of Algebra I and Geometry and teacher recommendation
Graduation: Fulfills one year of math requirement or elective credits
College Prep: Pending Fulfills one year math ("c") requirement for UC/CSU.
Description: Upon completion of this course, students are prepared to take AP Calculus and other higher-level math courses. This course compacts the common core algebra 2 standards with the common core (+) pre-calculus standards. Function concepts covered includes polynomial, rational, exponential, logarithmic, and trigonometric functions along with transformation of functions using a parent function. Additional content covered includes conics, analytic trigonometry, complex number theory (DeMoivre's Theorem), introduction to vector theory, matrices and determinants, sequences, series, binomial theorem, counting principles, probability, and statistics. Finally, the course assignments will emphasize use of the "Eight Mathematical Practices". Students will make sense of problem situations, solve higher order thinking problems, derive key theorems, use technology where appropriate, work in groups to develop teamwork skills, and demonstrate procedural fluency in their responses.

AP Calculus AB **Course #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.
Description: 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 **Course #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.

Description: 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 **Course #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.

Description: 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 **Course #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.

Description: 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 **Course #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.

Description: 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 **Course #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.

Description: 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 **Course #4501**

Grade Level: 9 - 12
Length: Year class 10 credits)
Prerequisite: Teacher Recommendation
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: Geometry Support is an elective course designed for students currently enrolled in Geometry who need additional help to be successful.

Pre-Calculus **Course #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.

Description: 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**Course #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.

Description: 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

Course #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
Description: 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.

Basketball Techniques and Tactics

Course #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
Description: 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

Course #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
Description: 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

Course #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
Description: Sculpt and Tone 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

Course #5750

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

Course #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
Description: 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.

Strength and Fitness

Course #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
Description: Develop physical fitness through weight training, circuit training and cardiovascular activities. Students will learn how to set up an appropriate workout regimen to meet personal goals for both short and long

term fitness. Physical fitness assessment testing and re-testing will assist students in establishing appropriate training volumes and intensities.

Team Sports

Course #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

Description: 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

Course #6007

Grade Level: 10 – 12

Length: Semester class (5 credits – repeatable for credit)

Prerequisite: None

Graduation: Fulfills elective credits

College Prep: Does not apply

Description: This course will focus on the basics of yoga, technique and practice. Yoga styles will include Bikram, Vinaysa 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 PROGRAM

(Contra Costa County Regional Occupational Program)
(must be 16 years or older for all courses)

ROP Advanced Video Production **Course #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
Description: 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 **Course #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
Description: 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 Journalism **Course #3193**

Grade Level: 11-12 or Age 16
Length: Year class (10 credits)
Prerequisite: English 2
Graduation: Fulfills elective credits
College Prep: Fulfills one year Elective ("g") requirement for UC/CSU.
Description: 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 **Course #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.
Description: 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) **Course #2095**

Grade Level: 11-12 or Age 16
Length: Year class (10 credits)
Prerequisite: ROP Journalism or teacher approval
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: 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 **Course #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.
Description: 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

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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 Course #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.

Description: 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 Med. 2) Course #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.

Description: 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 Drafting CADD

Course #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: Fulfills ("g") requirement for UC/CSU.
Description: 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

Course #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.

Description: 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

Course #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.

Description: 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

Course #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.

Description: 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

course #5092

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.

Description: 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

Course #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.

Description: 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)

Course #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").

Description: 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 **Course #5041**

Grade Level: 11-12
Length: Year class (10 credits)
Prerequisite: The Living Earth (Biology)
 One year of Chemistry in the Earth System recommended (may be taken concurrently)
Graduation: Fulfills elective credit
College Prep: Fulfills one year Laboratory Science ("d") requirement for UC/CSU.
Description: 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) Course # 5140

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").
Description: 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

Course #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

Description: 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

Course #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")
Description: 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

Course #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").
Description: 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

Course #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.

Description: 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

Course #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.

Description: 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

Course #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.

Description: 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

Course #5295

Grade Level: 12

Length: Semester class (5 credits)

Prerequisite: None

Fulfills 5 American Government credits required for graduation and 5 elective credits.

College Prep: Fulfills one semester History ("a") requirement for UC/CSU.

Description: 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

Course #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.

Description: 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

Course #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.

Description: 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 Course #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.
Description: 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 Course #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.
Description: 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 Macro Economics Course #5365

Grade: 12
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Economics requirement
College Prep: Fulfills one year elective ("g") requirement for UC/CSU. Students will receive an extra grade point bonus for grades A-C.
Description: 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.

African American History 1 Course #5276

Grade Level: 10-12
Length: Year class (10 credits)
Prerequisite: None (Recommend Psych in Society)
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: In the first semester the course studies the history of African Americans from the beginning of the Atlantic slave trade to the passage of the 13th Amendment. This history includes the experiences of free and enslaved African Americans, and the impact of race-based chattel slavery on African Americans and on American history. In the second semester the course studies the history of African Americans from the period immediately following the abolition of slavery through the Civil Rights and Black Power Movements, ending with the assassination of Martin Luther King, Jr. This history includes the social, economic, and political development of the African American identity, including the securing of equal rights and the emergence of black pride and black power in the 20th century.

Foundations of Law, Govt & Public Service Course #5320

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

Description: 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**Course #5255**

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Fulfills one year History ("a") requirement for UC/CSU.

Description: 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**Course #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 and PERFORMING ARTS

Visual Arts

Advanced Art

Course #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.
Description: 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

Course #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.
Description: 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

Course #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.

Description: 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

Course #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.
Description: 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 Course #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.
Description: 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 Course #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.
Description: 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 Course #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.
Description: 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 Course #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.
Description: 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 **Course #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.
Description: 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 **Course #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.
Description: 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 **Course #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.
Description: 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 **Course #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.
Description: 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** **Course #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.
Description: 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 **Course #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.
Description: 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 Course #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.
Description: 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 Course #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.
Description: 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 Course #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
Description: 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 1 Course # 6026

Grade Level: 9-12
Length: Year class (10 credits)
Prerequisite: Concurrent enrollment in Symphonic Band, Concert Band, or Orchestra and/or permission of instructor.
Graduation: Fulfills one year of Fine Arts graduation requirement
College Prep: Fulfills VAPA ("f") requirement for UC/CSU.

Description: Jazz band 1 is an introductory instrumental music and theory class designed to provide the basic theory, technique and knowledge of performance practices and concepts of various styles of Jazz music. This basic ability will provide a beginning source for aesthetic enjoyment and performance abilities. Students will be given the opportunity to learn all modes of scales used in the Jazz styles. Emphasis will be given to learning to play in a 'swinging' style, in each mode, and basic improvisational techniques within those modes. There will be a minimum of 2 concert performances per year. This class is a pre-requisite to the advanced Jazz Ensemble.

Jazz Band 2 Course #6028

Grade Level: 9-12
Length: Year Class (10 credits)
Prerequisite: Concurrent enrollment in Symphonic or Concert Band and permission of instructor through audition.
Graduation: Fulfills Fine Arts requirement /elective credit.
College Prep: Fulfills VAPA ("f") requirement for UC/CSU.
Description: Jazz band 2 is an advanced music and theory class for students wanting instruction and practice in the performance of jazz music. Many jazz styles are studied as well as music theory. All rehearsals and performances are required.

Jazz Band 3 Course #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.
Description: Jazz Band 3 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 Course #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: Fulfills one year VAPA ("f") requirement for UC/CSU.

Description: 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 **Course #6060**

Grade Level: 9–12
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Elective credits
College Prep: Does not apply
Description: 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. Solfège (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 and Movement **Course #5990**

Grade Level: 9–12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: This class introduces multiple genres of music associated with traditional, cultural, and contemporary dance styles, along with various movements to enhance their learning experiences in kinesthetic awareness, acquisition of rhythm, increased gross motor skill development, cardiovascular fitness, strength and flexibility.

Music Theory and Technology **Course #6198**

Grade Level: 9–12
Length: Year class (10 credits)
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement or elective credits
College Prep: Fulfills Fine one year VAPA ("f") requirement for UC/CSU.
Description: 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) **Course #6070**

Grade Level: 9–12
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
Description: 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) **Course #6086**

Grade Level: 9–12
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.
Description: 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 **Course #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.
Description: 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.

Screenwriting

Course #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
Description: 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)

Course #6100

Grade Level: 9 – 12
Length: Year class (10 credits); May be repeated f or 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.
Description: Select Singers is an advanced choral music c lass designed for singers displaying a high degree or vocal/choral experience and skill. Emphasis is on more advanced facets or musicianship, vocal/choral production and vocal/choral technique. Participation in performances of the Select Singers is mandatory.

Symphonic Band

Course #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.
Description: 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

Course #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

Description: 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

Course #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.
Description: 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

Course #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.
Description: 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.

Wind Ensemble

Course #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: Does not apply
Description: 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

Course #6146

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

Description: 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 Course #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.
Description: 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 Course #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.
Description: 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 Course #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.
Description: 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

Course #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.
Description: 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 Course #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.
Description: 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 Course #3676

Grade Level: 9 - 12
Length: Year class (10 credits)
Prerequisite: Native/Fluent Speaker
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: requirement for UC/CSU.
Description: Spanish for Native Speakers 2 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 **Course #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.
Description: 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 **Course #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.
Description: 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 **Course #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.
Description: 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 **Course #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.
Description: 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

Course #7201

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

Course #7201P

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

Course #7202

Grade Level: 10 -12
Length: Year class (10 Credits)
Prerequisite: AFJROTC 1
Graduation: Fulfills elective credits
Description: 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 Course #7202P

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

AFJROTC 3: Exploring Space

Course #7204

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

Course #7205

Grade Level: 10-12
Length: Year Class (10 Credits)
Prerequisite: AFJROTC 1
Graduation: Fulfills elective credits
Description: 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**Course #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: Fulfills one year of World Language ("b") requirement for UC/CSU.
Description: 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/performance. 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.

AP Research**Course #3176**

Grade Level: 11 - 12
Length: Year class
Prerequisite: Students must have successfully completed the AP Seminar Course
Graduation: Fulfills elective credits
College Prep: Fulfills one year of World Language ("g") requirement for UC/CSU.
Description: AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes and curate the artifacts of their scholarly works through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit or product where applicable) and a presentation with an oral defense.

COUNS 032: Introduction to Career Exploration

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

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

Description: 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

Course #2820 (15 ½ by Dec 16, 2021) **or**

Course #2830 (15 ½ by June 9, 2022)

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
Description: 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**Course #7457**

Grade Level: 9 -10
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: 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**Course #2700**

Grade Level: 9
Length: Semester class (5 credits)
Prerequisite: None
Graduation: Fulfills Health requirement
College Prep: Does not apply
Description: 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 Govt & Leadership Course #7488

Grade Level: 9
Length: Semester Class (10 credits)
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: 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 Course #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
Description: 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 Course #7482

Grade Level: 10 - 12
Length: Semester class (5 credits)
Prerequisite: By application process only
Graduation: Fulfills elective credits
College Prep: Does not apply
Description: 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 Course #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
College Prep: Does not apply
Description: 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)



Course #7371 (year 1 - *articulated with LMC)

Course #7372 (year 2)

Course #7373 (year 3)

Course #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.

Sports Management **Course #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.
Description: 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.

Staff Assistant **Course #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
Description: Students in these courses will work under teacher or administrator supervision in a work or lab setting within the school environment.

Student Leadership **Course #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
Description: 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 **Course #7680**

Grade Level: 9 - 12
Length: Semester class or Year long course
Prerequisite: None
Graduation: no credits issued
College Prep: Does not apply
Description: 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 **Course #7690**

Description: 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:

- Student is on track to graduate with their class (not behind in credits and/ or other graduation requirements).
- Parent and student have both signed and submitted the unscheduled period application.
- Administrator has approved unscheduled period application.

Additional Details:

- 11th graders may only receive one unscheduled period per school year.
- 12th graders may receive two unscheduled periods per school year.
- Students will either be given beginning or last period off (based on course availability).
- Students will NOT earn credits for their unscheduled period.
- Students are not allowed on the HHS campus during their unscheduled period(s).