



LIBERTY HIGH SCHOOL

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Course Catalog 2022-2023

Efa J. Huckaby, Principal
Luhsd.net/liberty

Liberty Union High School District does not discriminate on the basis of race, color, national origin, sex, or disability.

Principal's Message

The purpose of the course catalog is to assist parents and students in the planning of each student's educational career. We encourage you to review all contents in this catalog and use this document to help you make good decisions regarding your future.

We are proud of the educational program at Liberty High School. Students take core academic classes and a wide variety of electives. Upon arriving at Liberty High School, your student will be assigned to a smaller learning community (Den). Each Den consists of an administrator, secretary, and counselor. The goal is to work together to ensure the best education possible. The Den becomes a secondary "family" working together for students to be academically successful.

There are very specific courses students must take to meet entrance requirements for our state universities. It is our hope that all students graduate college and career ready, whether they choose to go directly to a university, community college, or the world of work. Please communicate with your counselor to ensure that the courses you select meet the UC/CSU a-g requirements.

As you will notice in this catalog, students have a choice of a variety of academy programs and pathways. This is to help guide students toward electives related to career pathways if they choose to participate in an Academy. It is our hope that by the junior or senior year, students will choose an academy or pathway emphasis that supports their career and/or personal interests. Please notice all academies address the needs of all learners from college to career. With our A/B block schedule, students take a study hall period. Study hall allows students to do homework during the school day as well as offer an opportunity for students to obtain help in classes.

The faculty and staff at Liberty High School provide the best possible education for our students. In partnership with students and families, we work together to ensure all students reach their full potential. Daily attendance, hard work and promptness to all classes are all necessary for success. We hold high expectations, both in behavior and academics, for all of our students. Do your best, every day.

With Lion Pride,



Introduction

Eric Volta, *District Superintendent*

Efa J. Huckaby, *Principal*

Lynn Martinez, *Principal's Secretary*

Den 1

Anna Perales, *Assistant Principal*

Jennifer Bigler, *Counselor*

Destinie Ramos, *Secretary*

Den 2

Andrew Strawbridge, *Assistant Principal*

Irene Magaña, *Counselor*

Leticia Whitener, *Secretary*

Tanya Silva, *Targeted Assistance Counselor*

Den 3

Kyle Anderson, *Assistant Principal*

Quantaya Moore, *Counselor*

Kellie Callahan, *Secretary*

Den 4

Paul Vega, *Assistant Principal*

Manuel Regalado, *Counselor*

Heather Radebaugh, *Secretary*

Athletics

Andrew Lonsdale, *Athletic Director*

Student Leadership

Jamie Seipel, *Student Activities Director*

Career Center

Angelica Gonzalez, *Career Center Coordinator*

Registration

Debbi Weil, *Registrar*

Mission Statement

We empower students, through research-based practices and an integrated system of support, to be globally responsible, collaborative individuals, equipped for post-secondary excellent.

School-wide Learning Outcomes

Academics

- Students will demonstrate reading, writing, and speaking skills across all content areas.
- Students will be able to utilize and illustrate skills through academic performance, collaboration, and critical thinking.
- Students will demonstrate academic proficiency by meeting the common core and state content standards, while displaying academic honesty and integrity to graduate college or career ready.
- Students will access diverse texts and technologies proficiently.

21st Century Skills

- Students will identify, measure, and evaluate risks and persevere in their completion of goals.
- Students will use technology and text appropriately, proficiently, and effectively.
- Students will display interpersonal skills that will transition and adapt into post-secondary education and the workplace.
- Students will show evidence of responsibility by contributing to the community, being role models and being positive productive students.
- Students will be introduced to multicultural and generational awareness.
- Students will develop creative and critical thinking skills and apply these skills while working independently and in collaboration with others.

Citizenship

- Students will continue to develop mentally, emotionally, and physically to become socially responsible members of their community.
- Students will learn to adapt to difficult situations through self-advocacy skills, goal setting, and decisiveness.

Overview

This course catalog was designed by the Liberty High School staff to help students and parents better understand the educational programs offered so that you may make intelligent and informed choices for your educational growth and personal development. The course curricula follow the California State Standards. Please carefully consider the course descriptions and related information found in this catalog.

A student's guide for successful educational planning

1. This booklet was designed for you to use as a workbook. As you read this catalog, carefully consider the following before selecting your courses for the next year:

Graduation Requirements: select the courses you need to meet district graduation requirements

College Entrance Requirements (“a-g”): select courses you need to meet college entrance requirements

Career Plans: select academy and pathway courses that can help you explore possible future career options

Parent Approval: talk with parents/guardians about your choices and have them sign the course selection worksheet

Teacher Recommendation: discuss course choices with teachers and get their recommendations

2. Read the information yourself and pursue more information when you need it. Involve your parents. Talk to counselors, teachers, and administrators who you trust and who know your capabilities and aspirations. Please note that students must complete Geometry and Algebra 2 to be eligible for a four-year college or university. This is YOUR educational path. The choices which are appropriate for your friends may not be the right ones for you.
3. Consider college entrance requirements when making your choices. Even if you are undecided about college now, the more challenging your educational experience in high school, the more options await you after graduation. When in doubt, always choose the more rigorous course or sequence of courses.
4. In any given subject area, take classes in sequence. Check the prerequisites of each course to see if you qualify to take the course. It is better to complete subject area sequences, i.e., beginning art, intermediate art, and advanced art.
5. Refer to the graduation requirements which will guide you in fulfilling the subject and credit requirements. Use the four-year plan worksheet as **your checklist**. **Include the need to repeat classes if you have received a “D” or failed a class. “Ds” must be made up for four-year college or university entrance requirements unless applying for community college. “Fs” must be made up for high school graduation.** The four-year educational plan that you choose must include all of the high school graduation requirements. **Note:** courses repeated for a grade improvement may not earn credit. See your counselor for more information.
6. Businesses have advised that the best way to train students for careers is to teach them to read, write, compute, be on time and get along with others. Students will need transferable skills in order to be competitive in the 21st century. Making thoughtful choices now will better prepare you for future careers.

COURSE CHANGES

It is crucial that serious consideration be given to each of the courses a student selects as student-requested course changes may 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 Liberty 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.**

Course changes will be corrected for academic level misplacement or computer errors!

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 made 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

Students who DROP a class after the first three weeks of the grading period will receive a grade of "WF." A "Withdrawal F (WF)" is the equivalent to an "F." The last date to drop a class without it appearing on a student transcript is THREE WEEKS from the first day of school.

Students who DROP an Advanced Placement class after nine weeks of the grading period will receive a grade of "WF." A "Withdrawal F (WF)" is the equivalent to an "F." The last date to drop a class without it appearing on a student transcript is NINE WEEKS from the first day of school.

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Graduation Requirements

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

Graduation Requirements

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 Liberty High School.

UC & CSU Minimum Subject Requirements

Note: 15 year-long college preparatory courses are required with a grade of “C” or better.

University of California Minimum 3.0 GPA	California State University
a. History/Social Science: (2 years required) 1 year World History, 1 year U.S. History, or ½ year U.S. History and ½ year of American Gov’t	a. History/Social Science: (2 years required) 1 year World History, 1 year U.S. History, or ½ year U.S. History and ½ year of American Gov’t
b. English: (4 years required) 1 year each of 9 th , 10 th , 11 th , 12 th grade English	b. English: (4 years required) 1 year each of 9 th , 10 th , 11 th , 12 th grade English
c. Mathematics: (3 years required; 4 recommended) 1 year Algebra 1, 1 year Geometry, 1 year Algebra 2, Statistics or Pre-Calculus	c. Mathematics: (3 years required; 4 recommended) 1 year Algebra 1, 1 year Geometry, 1 year Algebra 2
d. Lab Science: (2 years required; 3 recommended) 1 year The Living Earth/Sustainable Ag Biology, 1 year Chemistry in the Earth System/Agriculture Soil & Chemistry or Physics in the Universe	d. Lab Science: (2 years required) 1 year The Living Earth/Sustainable Ag Biology, 1 year Chemistry in the Earth System/Agriculture Soil & Chemistry or Physics in the Universe
e. Language: (2 years required; 3 recommended) 2 years of the same language [other than English].	e. Language: (2 years required) 2 years of the same language [other than English].
f. Visual and Performing Arts: (1 year required) 1 year of a visual or performing arts course	f. Visual and Performing Arts: (1 year required) 1 year of a visual or performing arts course
g. Electives: (1 year required) 1 year of an elective listed on the “a-g” course list.	g. Electives: (1 year required) 1 year of an elective listed on the “a-g” course list.

a-g Approved Course List

Note: students should refer to these courses if they are planning on attending college after graduation

<p>a. History/Social Science: (2 years required) World Cultures and Geography World History AP World History AP European History AP Human Geography</p>	<p>U.S. History or American Studies AP US History American Government AP American Government</p>
<p>b. English: (4 years required). English 9 English 10 English 11 or American Studies English 12 English Language Development 3</p>	<p>AP Language and Composition AP Literature and Composition Expository Reading and Writing Course</p>
<p>c. Mathematics: (3 years required; 4 recommended). Algebra 1 Algebra 2 Geometry Pre-Calculus Algebra 2/Pre-Calculus</p>	<p>AP Calculus AB AP Calculus BC Statistics AP Statistics</p>
<p>d. Lab Science: (2 years required; 3 recommended). The Living Earth AP Biology Sustainable Agricultural Biology Chemistry in the Earth System AP Chemistry Agriculture & Soil Chemistry</p>	<p>Physics in the Universe AP Physics 1 AP Physics 2 AP Physics C - Mechanics Anatomy and Physiology AP ROP Environmental Science</p>
<p>e. Language: (2 years required; 3 recommended). French 1, 2, 3, 4</p>	<p>Spanish 1, 2, 3, 4 AP Spanish Language AP Spanish Literature Spanish for Spanish Speakers 1, 2</p>
<p>f. Visual and Performing Arts: (1 year required). 3-D Design, A Cappella Choir, Acting and Directing Workshop, Advanced 3-D Design, Advanced Art, Advanced Painting & Drawing, AP Art History, AP Music Theory, AP Studio Art 2-D, AP Studio Art 3-D, AP Studio Art Drawing, Beginning Art, Ceramics, Ceramics II, Concert Choir, Design 1, Design 2, Intermediate Art, Introduction to Dance Arts, Intermediate Dance Arts, Advanced Dance Arts, Jazz Band, Multimedia ROP, Public Art and Design Academy Core, Public Space and Design, Select Singers, Symphonic Band, ROP Art of Video Production, Theatre Arts 1, Theatre Arts 2, Theatre Arts 3, Treble Choir, Ukulele, Colorguard</p>	
<p>g. Electives: (1 year required) Advanced Foods: Baking/Pastry, ROP Analytical Forensic Science, AP Computer Sci Principles, AP Comp Sci, AP Economics, AP Psychology, AP Seminar, Business Economics, ROP Developmental Psychology, Economics, Entrepreneurship 1, Exploring Comp Sci, Foods 1, History of American Pop Music, History of WW II, Java Programming, Journalism, Literary Analysis through Film, Psychology within Society, ROP Automotive Eng'g, ROP Sports Medicine, Sociology, TLC Developmental Psychology, TLC Core, TLC Internship, Intro to Agricultural Mechanics, ROP Veterinary Science, Plant Science, Intro to Animal Science, Floral Design, PUSH 12, AP Research, Ed Careers Core, Sports Broadcasting</p> <p><input type="checkbox"/> One year of a course approved specifically in the “g” subject area, including courses that combine any of the “a-f” subject areas in an interdisciplinary fashion; or One year of additional approved “a-f” course beyond the minimum required for that subject area - For example: algebra 1, French 1, beginning art cannot be used to meet the “g” requirement).</p>	

Academic Honors at Liberty High School

Honor Roll –

To qualify, a student must receive no current grade below a C and have a total weighted GPA of 3.25 or better.

Academic Letter –

Students are awarded an academic letter based on the following criteria:

1. Total weighted GPA of **3.75** or higher in either the fall or spring semester of the previous school year.
2. A student must have taken a minimum of **five** college prep courses. College preparatory classes are designated with a P.

National Honor Society (NHS) –

Students with a 3.0 or higher academic GPA (as listed on their transcript) are invited to apply for membership in NHS:

1. 3.0 or higher GPA
2. Completed application and signature from any teacher
3. Membership is by semester (must reapply every semester)
4. Seniors with 4 or more semesters of membership receive Life Membership and Honor Cords for graduation.
5. Life Members may qualify for a scholarship.

California Scholarship Federation (CSF) –

Students who qualify are invited to apply for membership in CSF:

1. A score of 10 CSF points based on the rules of the CSF application and list of approved courses
2. A grade of D or F in any course disqualifies the student from membership
3. Membership is by semester (must reapply every semester)
4. Seniors with 4 or more semesters of membership receive Life Membership and Honor Cords for graduation.
5. Life Members may qualify for a scholarship.

Academic Honor Cord –

Students who successfully (C or better) meet the UC/CSU “a-g” course completion requirements qualify for an Honor Cord at graduation. (Refer to page 3 to identify “a-g” requirements.)



Seal of Bi-literacy

The Seal has **two components**. The student must meet the proficiency requirement for **English** and the proficiency requirement for **World Language**.



1. English (satisfy BOTH of the requirements)

- ✓ Complete all English-Language requirements for graduation (4 years) with an overall grade point average of 2.0 or above in those classes.
- ✓ Obtain a score of “proficient” or higher in English on SBAC or the ELA District assessment. Students with an IEP can complete this requirement with a score of proficient on the CMA in English.

NOTE: If a student is still classified as an English Learner, he/she must meet the specified criteria AND have a CELDT score of Early Advanced (4) or above on the CELDT exam.

2. World Language (satisfy 1 of the following 5 requirements)

- ✓ Demonstrate proficiency in one or more World (foreign) Languages- in addition to the English requirements- by accomplishing **one** of the following:
 - a. Score 3 or higher on an Advanced Placement (AP) foreign language test. We must have your AP score before seal can be awarded. (**Associated cost/**See Additional Information**).
 - b. Score of 600 or higher on the SAT II (Scholastic Assessment Test II) foreign language test. Student will supply SAT Score. (**Associated cost/**See Additional Information**).
 - c. Successfully complete a four-year high school course of study in a World (foreign) Language and attain an overall grade point average of 3.0 or above in that four-year course of study. (4 years can consist of 3 consecutive years plus a 3.0 or above average in an AP course, in the same language, which will count as the 4th year.)
 - d. Complete Spanish for Spanish Speakers, levels 1 and 2, and Spanish 4 or AP Spanish with a 3.0 average or higher.
 - e. Pass an exam administered by the American Council for the Teaching of Foreign Language (ACTFL) with at least an Intermediate Mid-grade. You must supply the official proof of the grade to your school. This option is available in approximately 100 world languages (**Associated cost/**See Additional Information**).

****Additional Information**

1. If a student takes an AP, SAT or ACTFL test, he/she must inform the school’s Assistant Principal of their intent to submit the test results to meet the Eligibility Requirement under the World Language proficiency section (**The Assistant Principals listed will have the Biliteracy form**). Be sure that the Assistant Principal receives a copy of your score when it becomes available. Until scores are available, a student will be placed on a “pending” list and sent the Biliteracy Seal when results of testing are confirmed. If a student completed any of the above tests while enrolled at a different school, the student must submit their test scores and the required form described above. **The due date for the submission and the Biliteracy form for the above Tests is April 15th of the present school year.**
2. If a student is in an **Advanced Placement (AP)** class, the results of this test are not reported until August. At that time, if the student has received a score of 3 or higher and met all other requirements, the seal will be sent to the student. The **SAT/ACTFL tests** may be taken throughout the school year and scores may be available prior to graduation.

Athletic Programs

Liberty offers at least five sports for our students through each of the fall, winter, and spring seasons and more are sure to come in the ensuing years. Like all public schools, Liberty is feeling the effects of state budget cuts and any additional financial support or donations are always greatly appreciated.

Fall [Aug-Nov]	Winter [Nov-Feb]	Spring [Feb-May]
Girls Volleyball Girls Tennis Girls Water Polo Girls Golf Cross Country Football Boys Water Polo Coed Unified Soccer	Girls Basketball Girls Soccer Wrestling Boys Soccer Boys Basketball Coed Unified Bowling	Softball Baseball Boys Golf Boys Tennis Boys Volleyball Swimming Diving Track & Field Competitive Sport Cheer Coed Unified Basketball

Liberty values creating the safest possible environment for our students; however, risk of physical injury exists when participating in extracurricular activities. To lessen this risk, all student athletes must have completed district physical forms before the first day of tryouts. In addition, all completed physical forms must be dated after July 1st of the school year as prior dates are not valid.

Students must maintain a minimum unweighted grade point average (GPA) of 2.0 in order to be eligible for any extra/co-curricular activity and meet all CIF league and school eligibility requirements. Additional information regarding scholastic eligibility of athletes as well as academic probation can be found in the Liberty Union High School District Athletic Guidelines on the Liberty High School Athletics website under Athletic Forms.

We encourage parents to sign up as a driver as many games are not covered for bus transportation. Please see the Athletic Director or your coach for more information. Please feel free to contact any of our coaches at their email addresses on our school webpage.

Finally, please come to our athletics preseason nights which offer valuable information and help make our athletic programs the best they can be.

NCAA (National Collegiate Athletic Association) Approved Course List

For students planning to pursue collegiate athletics

English:

American Studies (English)
AP English Language and Composition
AP English Literature and Composition
English 9
English 10 (PADA and TLC)
English 11 (TLC)
English 12 (PADA and TLC)
Expository Reading and Writing (ERWC)
Journalism

Social Science:

African American History
American Government (PADA and TLC)
American Studies (US History)
AP European History
AP Human Geography
AP Psychology
AP Research
AP Seminar
AP US History
AP World History
Economics (PADA and TLC)
History of World War II
Psychology within Society
Sociology
US History (TLC)
World Cultures/Geography
World History (PADA and TLC)

Mathematics:

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

Statistics
AP Statistics
AP Computer Science A
AP Computer Science Principle

Natural/Physical Science:

Agriculture & Soil Chemistry
Anatomy & Physiology
AP Biology
Chemistry in the Earth Systems
AP Chemistry
Physics in the Universe
AP Physics 1
AP Physics 2
ROP Analytical Forensic Science
AP ROP Environmental Science
Sustainable Agriculture Biology
The Living Earth

Additional Core Courses:

French 1
French 2
French 3
French 4
Spanish 1
Spanish 2
Spanish 3
Spanish 4
Spanish for Spanish Speakers 1/2
AP Spanish Language and Culture
AP Spanish Literature and Culture

Please refer to the NCAA eligibility website for additional information.

[HTTP://WWW.NCAA.ORG/STUDENT-ATHLETES/FUTURE/ELIGIBILITY-CENTER](http://www.ncaa.org/student-athletes/future/eligibility-center)

- 1. Minimum GPA raised to 2.30:** Beginning with the graduating class of 2016, the minimum core course GPA for incoming college freshmen has been raised to 2.30.
- 2. 10 Core Courses by Junior Year:** Beginning with the graduating class of 2016, ten (10) core courses must be completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.

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 the NCAA web site is provided for guidance purposes only and should not be solely relied on as an indication of NCAA initial-eligibility. Certification of a prospective student-athlete is case-specific, and the Eligibility Center has the authority to determine in its sole discretion whether the prospective student-athlete has met all criteria.

Four Year Plan Worksheet

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				
	Life Science				Supporting Activities: (9-12)
	Physical Education	PE9			
	Health				Explore cacareerzone.org
	Elective				
	Elective				Spring: PSAT
	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/AP			Make Appt. with Career Center
	Physical Science				
	Physical Education	PE10			PSAT/PLAN/Mock Test
	World Lang/Fine Art				Csuapply , ucapply
	Elective				
	Elective				
	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/AP			Post High School Goals:
	Math				
	US History	US History/AP			Make Appt. with Career Center
	Science/Elective				Fall: PSAT
	Elective				Spring: ACT
	Elective				
	Elective				
	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/ERWC/AP			Post High School Goals:
	American Govt/Econ	Govt/Econ/AP			
	Math/Elective				College Bound:
	Science/Elective				Fall: ACT
	Elective				
	Elective				
	Elective				
	Elective				
Summer School					

College Preparation

MAXIMIZING STUDENT ACHIEVEMENT FOR COLLEGE PREPARATION

Example: Student 1: Eligible

“a-g”	Subject Category	9 th Grade	10 th Grade	11 th Grade	12 th Grade
a	History		World History	US History	American Government
b	English	English 9	English 10	English 11	English 12
c	Mathematics	Algebra 1	Geometry	Algebra 2	
d	Lab Science	Life Science	Physical Science		
e	Language other than English		Spanish 1	Spanish 2	
f	Visual & Performing Arts		Symphonic Band		
g	College Prep Electives				Economics

Example: Student 2: Competitive

“a-g”	Subject Category	9 th Grade	10 th Grade	11 th Grade	12 th Grade
a	History	AP Human Geography	AP World History	AP US History	AP American Government
b	English	English 9	English 10	AP English Lang	AP English Lit
c	Mathematics	Algebra 1	Geometry	Algebra 2	Pre-Calculus or Statistics
d	Lab Science	Life Science	Physical Science	Science	Science
e	Language other than English	Spanish 1	Spanish 2	Spanish 3	AP Spanish 4
f	Visual & Performing Arts	Theatre Arts 1	Theatre Arts 2	AP Studio Art 2D	AP Studio Art 3D
g	College Prep Electives		AP European History	AP Psychology	AP Economics

California Higher Educational Systems at a Glance

System	California Community Colleges (CCC)	California State University (CSU)	University of California (UC)	California Independent Colleges and Universities
Number of Campuses	112	23	10	76
College Entrance Exams	None Required. Students may need to take assessment exams after applying.	ACT or SAT required	ACT Plus Writing or SAT Some campuses recommend SAT II	ACT or SAT (check with college or university)
Minimum Grade Point Average (GPA)	No minimum GPA	Minimum 2.0 in a-g coursework	Minimum 3.0 in a-g coursework	Varies (check with college or university)

Total Credits to Date:

Liberty High School Programs

Core Program

Students are randomly enrolled in one of four den building communities (1, 2, 3 or 4) and remain throughout their tenure at LHS. 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.

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.

P-AP American Government	P-AP Music Theory
P-AP Art History	P-AP Physics 1, 2, 3, C(s)
P-AP Biology	P-AP Psychology
P-AP Calculus A/B	P-AP Seminar
P-AP Calculus B/C	P-AP Research
P-AP Chemistry	P-AP Spanish Language Culture
P-AP Computer Science Principles	P-AP Spanish Literature Culture
P-AP Econ: Macroeconomics	P-AP Statistics
P-AP English Language Composition	P-AP Drawing
P-AP English Literature Composition	P-AP 2D Art & Design
P-AP ROP Environmental Science	P-AP 3D Art & Design
P-AP European History	P-AP U.S. History
P-AP Human Geography	P-AP World History

The College Board charges a fee for each Advanced Placement test taken. However, if a student participates in the National School Lunch Program, the fee is waived up to 95%. See AP coordinators' office for more information about fees and fee waivers.

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.

Public Safety	
<p>FIRE 101: Introduction to Fire Fighting Semester 1</p> <p>Course ID#: 0736 Grade: 10-12</p>	<p>ADJUS 110: Introduction to Criminal Justice Semester 2</p> <p>Course ID#: 0064 Grade: 10-12</p>
<p>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.</p> <p>Units: 3 college credit / 10 high school credits LMC: Degree Applicable Transfer: CSU</p>	<p>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.</p> <p>Units: 3 college credit / 10 high school credits LMC: Degree Applicable Meets one of the requirements for transfer to a CSU/UC</p>
<p>CHEM 006: Introduction to Inorganic and Physical Chemistry</p> <p>Course ID# 0717 Grade: 10-12</p>	<p>COUNS-032: Introduction to Career Development Semester 1 – Fall COUNS-034: College Success Semester 2 – Spring</p> <p>Grade: 10-12</p>
<p>This course is an introduction to inorganic chemistry and physical concepts relevant to chemistry, focused toward the understanding of structure and properties of matter. Topics include scientific measurements, metric units, unit conversions, atomic structure, naming chemical compounds, types of chemical reactions, chemical formulas, mole, stoichiometry, chemical bonding, gasses, solutions and acid-based chemistry.</p> <p>Units: 4 Prerequisite: Passed Algebra 1 with a “C” or higher LMC: Degree Applicable Meets one of the requirements for transfer to a CSU/UC</p>	<p>Course ID#: 0061 (Fall) This course is an intense career exploration designed to engage students in their own career development. Units: 1.5 LMC: Degree Applicable Meets one of the requirements for transfer to a CSU</p> <p>Course ID#: 0062 This course is designed to help students develop the critical thinking skills and personal confidence necessary to succeed in college. LMC: Degree Applicable Meets one of the requirements for transfer to a CSU</p> <p>BOTH COURSES ARE OFFERED AFTER SCHOOL OUTSIDE OF THE SCHOOL DAY – PLEASE CONTACT YOUR COUNSELOR IF INTERESTED</p>

Academy, Career and Technical Education (CTE) Pathways

Academy Program

There are currently three academies at LHS, 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 special designation, such as a stole, medallion or pin. 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 three academies: Health Careers Academy, Public Arts & Display Academy (PADA) and Teaching and Learning Academy (TLC).

Academy Leadership		
Health Careers Academy	Public Art and Design Academy	Teaching and Learning Careers Academy
Jennifer Heinz Coordinator	Alisha Douglass Coordinator	Karen Cailotto Coordinator

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. Look for exciting changes in the years to come!

CTE Pathways Leadership	
Agriculture & Natural Resources Alternative Pathway	Andrew Dias
Applied Technology CTE Pathway	Frank Pappas
Building Trades & Construction CTE Pathway	Jonathan English
Education Careers Pathway	Karen Cailotto
Information & Communication Technologies CTE Pathway	Ken Balderrama
Transportation CTE Pathway	Jonathan Dorr

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.

Articulated Courses at Liberty High School
Foods 1: Articulates as CULN. 153 2 units of transferable college credit from Diablo Valley College; Foods: Advanced Baking and Cooking: Articulates as CULN 105: 1 unit of transferable college credit from Diablo Valley College; AP Computer Science A: Articulates as COMSC 051 at Los Medanos College; Intro to Auto: Articulates with Auto 110, with a grade of B or better in the class. 5 units of elective credit at Los Medanos College; TLC Core & TLC Internship articulates as LMC EDUC 100 and TLC Internship articulates as SSU EDUC 150.

Health Careers Academy (HC)



Careers in the ever-growing health industry are providing promising futures for students. The Health Careers Pathway provides a solid foundation for Liberty students to begin their exploration in the health industry. With courses that tie academic and real world experiences, our students receive a head start on their higher educational and career pursuits. This pathway provides the education needed to be successful within a two-year or four-year college and health careers entry level position. Our graduates have found positions at such diverse locations as fire stations, hospitals, veterinary clinics, dentist, chiropractic, optometric, and physical therapy offices.

The Health Careers Pathway offers career related courses, job shadowing, mentorship, internships and field trip opportunities. Outside the classroom, students will gain hands-on experience and have opportunities to observe various health career fields. All of these opportunities add up to an incredible educational experience – all before graduation from Liberty.

Suggested 4-year course of study for students following the Health Careers Pathway:

9th Grade	10th Grade	11th Grade	12th Grade
English	English	English	English
Math	Math	Math	Math
Life Science	Physical Science	Science	AP Biology
PE	History	History	History
Elective	Health Care Systems*	Health Careers Core*	ROP Hospital Health Services*
Elective	PE	Elective	Elective
Elective	Elective	Elective	-----
Elective	Elective	-----	-----

* Courses high-lighted with a star are required electives for those students who wish to be included in the Health Careers Pathway Program

Math courses vary at different levels; check with your counselor to be sure you are on the right track for your career and educational needs. (Hint... the more math and science you have, the better prepared you will be for a job in the health career field)

Suggested Electives

Math	Science	Social Science	Miscellaneous
Pre-Calculus	Forensics Science ROP	World Cultures & Geography (9 th)	Beginning Foods and Nutrition
AP Calculus	Physics	Psychology in Society	World Language
Statistics	AP Physics	AP Psychology	ROP Sports Medicine
	Chemistry in the Universe		Vet Science
	AP Chemistry		Intro to Animal Science
	Anatomy/Physiology		
	AP Biology		

HC Academy Course Selection

Health Care Systems

Course #1065

Grade Level: 10
Length: Year Class
Prerequisite: Enrollment in Health Careers Academy
Graduation: Fulfills elective credits.
Description: This course provides a historical perspective of the health care system from ancient through modern times. It highlights significant scientific discoveries and governmental policies that impact the evolution of the modern health care system. Students will examine the trends affecting the delivery and access to health care in today's world in the local, national and global communities. Historic and present-day cultural influences are explored including complementary and alternative medicine around the world. Students will explore current compelling challenges in 21st century health care.

Health Careers Core

Course #1060

Grade Level: 10-12
Length: Year Class
Prerequisite: Enrollment in Health Career Academy
Graduation: Fulfills elective credit
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 careers.

ROP Hospital Health Services

Course #1214

Grade Level: 12
Length: Year Class
Prerequisite: Health Career Core
Graduation: Fulfills elective credit
Description: This course is designed to provide students with practical, on-the-job experiences and an opportunity to develop a range of employability skills in real world settings. Students will develop marketable skills, abilities, and work habits that will prepare them to enter the work force directly, continue their education with a focus on technical preparation, or pursue advanced study at the college or university level. Students will receive a minimum of 30 hours classroom orientation before placement in an industry internship program. (internship class)

P-ROP Sports Medicine

Course #5582

Grade Level: 11-12 or age 16
Length: Year Class
Prerequisite: Biology
Graduation: Fulfills elective credits.
College Prep: Fulfills UC/CSU elective ("g") requirement.
Description: Areas covered in this course are human anatomy, physiology, nutrition, equipment fitting, prevention, evaluation, and treatment of injuries. This course includes CPR certification and first aid. (Internship at sporting events is required.)

Advanced Sports Medicine

Course # 5589

Grade Level: 10-12
Length: Year Class
Prerequisite: ROP Sports Medicine
Graduation: Fulfills elective credits.
Description: Advanced sports medicine provides an excellent opportunity for students to continue exploring their interest in the fields of health science and medicine. Students will learn advanced skills of functional anatomy and kinesiology as it relates to athletic injuries. Hands on experience of evaluation, assessment, and treatment are the cornerstone of this class. 45 hours of required Internship opportunities are available at after-school events under the direction of the head athletic trainer and other health care professionals.



Public Art & Design Academy (PADA)



The Public Art and Design Academy promotes visual arts as a hobby, lifestyle, or career pathway for aspiring high school students. The focus of the academy is to help students study and practice ways to express their creativity and grow as individuals. Students will practice and study ways to create art that is physically capable of withstanding public spaces as well as the process required for implementing public art. Students will spend time focusing on professional skills, artistic skills and their post-secondary options. The academy uses the education model of creating a school-within-a-school to provide a closer, more personal learning environment to help our students be more successful.

Seniors have completed internships with the City of Brentwood since 2012. Students will work with the Parks and Recreation Manager and the Arts Commission to design, develop, create, and install a permanent public art piece. The more recent past projects include:

- Marsh Creek Bike Tunnel (2015)
- Mosaic sculptures at Sunset Athletic Park Complex (2016)
- Mosaic mural at Oak Meadow Park (2017)
- Mural at Creekside Park (2018)

For additional information regarding PADA visit tinyurl.com/lhspada or see Mrs. Douglass in K-2b.

Suggested 4-year course of study: Admittance to the academy occurs during your sophomore or junior year. *This academy is not able to take new members as they enter their senior year.*

9 th Grade	10 th Grade	11 th Grade	12 th Grade	Art Electives
Elective	PADA World History	PADA US History	PADA Am.Gov/Econ	Beginning Art Intermediate Art** Advanced Art** Adv. Painting & Drawing** 3D Design Advanced 3D Design** Ceramics I Ceramics II** AP Art History** AP 2D Art & Design** AP 3D Art & Design** AP Drawing** Yearbook/Graphic Art
English 9	PADA English 10	PADA English 11	PADA ERWC	
The Living Earth	Chemistry	Physics	Anatomy	
Algebra 1	PADA Geometry	PADA Algebra 2	Elective	
Beginning Art (1506) 3D Design (1546)	PADA Public Art and Design (CTE course)	PADA Core (CTE course)	PADA Internship (CTE Course)	
PE 9	PE 10	Visual Art Elective	Advanced Visual Art Elective	
Elective	AP Art History (recommended – required)	Elective	Elective	
Elective	Elective	Elective	Unscheduled	

PADA classes are selected by the Academy to meet the requirements set forth by the California Department of Education for the California Partnership Academies (CA Ed code 54690-54697)

Students are required to attend academy specific classes while enrolled in PADA. We do recommend that students select a visual art course to continue improving their artistic skills as the academy specific course to do not improve certain drawing, painting or design skills.

PADA Course Selection

P-Public Space & Design

Course #1523

Grade Level: 10
Length: Year Class
Prerequisite: enrolled in PADA
Graduation: Fulfills Fine Arts requirement /elective credit.
College Prep: Fulfills VAPA (“F”) requirement for UC/CSU
Description: This class is the introductory class for the PADA Academy. This class will focus on public art, and its relationship between the city and its’ population. The class is an exploratory class on all aspects of public art: history, purpose, placement, value, and types of media used such as concrete, paint, glass, wood, iron, steel and ceramic. The students will work in groups to prepare public style art, exploring the media and learn to understand how it will survive and be affected by the environment. *Course required for PADA sophomores.*

P-Public Art & Design Academy Core **Course# 1302**

Grade: 11
Length: Year Class
Prerequisite: enrolled in PADA
Graduation: Fulfills Fine Arts requirement /elective credit
College Prep: Fulfills VAPA (“F”) requirement for UC/CSU
Description: This class is the second class in the series for the PADA Academy. This class is a class that will focus on public art and its planning. The expansion from the previous year’s public space and design class’ concept of public art will be addressed as students learn about the uses and purpose of public art. Students will develop skills in presentations, public speaking, graphic design/advertising, and develop a plan and investigate their personal career goals. Students will work as a team and individually throughout the year creating and planning public art. The course projects will develop from in-class artwork to working with the Brentwood Art Commission to prepare for producing public art for their senior year intern class. *Course required for PADA juniors.*

P-English 11/American Studies

Course #1438

Grade Level: 11
Length: Year class.
Prerequisite: English 10 and enrolled in PADA
Graduation: Fulfills English 3 requirement.
College Prep: Fulfills UC/CSU English (“b”) requirement.
Description: American Studies integrates English 3 and U.S. History within the PADA Academy. English 3 is a core literature-based program integrating the study of American literature with writing, speaking and listening, vocabulary development, reading skills, and study skills. In American Studies there is an emphasis on performance based assessments.

P-US History/American Studies

Course #1439

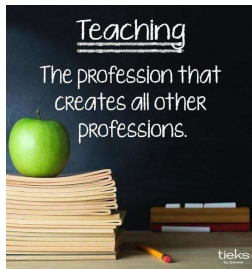
Grade Level: 11
Length: Year Class
Prerequisite: enrolled in PADA
Graduation: Fulfills U.S. History requirement.
College Prep: Fulfills UC/CSU US History (“a”) requirement.
Description: American Studies integrates English 3 and U.S. History in the PADA Academy. Contemporary U.S. History is designed to 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. This year begins with a selective review with an emphasis on the nation’s beginning and the industrial transformation. There is an emphasis on visual art and performance-based projects.

Academy Internship PADA

Course #1305

(Sr. Year) Internship
Grade Level: 12
Length: Year Class
Prerequisite: PADA Core and enrolled in PADA
Graduation: Fulfills elective credits.
Description: Internship course is designed to give PADA students career experience in the visual arts, particularly in the career area of public art. This course will focus on professional behaviors that will give students a competitive edge in the work force after Liberty High School. Students will spend most of the year working as a team to complete a work of public art for the City of Brentwood. *Course required for the PADA seniors.*

Teaching and Learning Careers (TLC) Academy



Teaching and Learning Careers will give students an opportunity to explore careers in education while preparing them for college and providing a close personal learning environment.

TLC is a learning community built on mutual trust and respect where students take priority and are given the ability to develop and find their place in the world. It is based on the California Department of Education model, which is a *school-within-a-school program* whose goal is to motivate students to high academic excellence. It is supported by a California Partnership Academy Grant which incorporates a number of innovative features, including a close family-like

atmosphere with integration of academic and career related curriculum, and involvement of employers in a number of different roles, such as adult mentors.

TLC has smaller class sizes when possible. TLC has been funded for the past 17 years and its students have shown improved performance in attendance, credits, grades, and graduation rates.

TLC students earn 6 college units for completing our program with an A or B.

Required Courses:

TLC Academy participants will be placed in academy sections of the following academic subjects: English, History, Math/Science.

10th Grade

ROP Developmental Psychology of Children – TLC (no prerequisite) includes work with elementary students at Garin Elementary.

11th Grade

TLC Core (no prerequisite): includes job-shadowing internship at local school site or on campus with County Special Education program or high school mentor teacher.

12th Grade

Internship TLC (prerequisite - TLC core), one or two periods: includes internship at local school site or on campus with County Special Education program or high school mentor teacher. Interns have the opportunity to earn 6 units of college elective credit while taking this course (in partnership with LMC and SSU).

**No 12th graders may join TLC for the first time senior year.*

All TLC electives are college prep “a-g” approved.

TLC classes are selected by the Academy to meet the requirements set forth by the California Department of Education for the California Partnership Academies (CA Ed code 54690-54697)

TLC Course Selection

Suggested Courses of Study for Teaching Learning Careers

10 th Grade	11 th Grade	12 th Grade
English 10 TLC	English 11 TLC	ERWC TLC
Mathematics – By assignment	Algebra 2 TLC	Government/Economics TLC
*Chemistry in the Earth System TLC	US History TLC	Mathematics – (recommended)
World History - TLC	TLC Core	TLC Internship (one period required)
Physical Education	Elective	TLC Internship (two periods – double blocked recommended)
ROP Developmental Psychology of Children	Elective	Elective
Arts and Humanities Elective	Arts and Humanities Elective	Elective/Unscheduled
Elective	Elective	Elective/Unscheduled

P-ROP Developmental Psychology of Children Course #2745

Grade Level: 10-11
Length: Year Class
Graduation: Fulfills elective credits.
College Prep: Fulfills UC/CSU elective (“g”) requirement.
Description: This course is a study of the developmental stages of children from conception through middle childhood, emphasizing the principle theories of development. *Course required for TLC sophomores.*

P-Teaching and Learning Careers Core Course# 1690

Grade Level: 11
Length: Year Class
Prerequisite: Enrollment in TLC Academy
Graduation: Fulfills elective credits
College Prep: Fulfills UC/CSU elective (“g”) requirement.
Description: Introduction to theories and practice related to the fields of education, training, and counseling - Emphasis on learners, schools, and the teaching/training process. Students will attend a weekly lab job shadowing at area school sites. *Course required for TLC juniors.*

P-Academy Internship TLC Course #1615

(Sr. Year) Internship
Grade Level: 12
Length: Year Class
Prerequisite: Enrollment in TLC Academy and TLC Core
Graduation: Fulfills elective credits.
College Prep: Fulfills UC/CSU elective (“g”) requirement.
Description: This is a continuation of the junior year Core class. Emphasis on issues related to career/majors in education and training; application of principles and skills through participation in practice teaching/training at area school sites. *Course required for TLC seniors*

Students have the opportunity to earn college credit concurrently for successfully completing the TLC pathway. Students must enroll, pass with a C or better for SSU and an A or B for LMC.

Agriculture and Natural Resources CTE Pathway

Capstone (11-12) – P-Agriculture & Soil Chemistry

Concentrator (10-11) – P-Sustainable Agriculture

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	English 11	English 12
Math (Algebra 1)	Math (Geometry)	Math (Algebra 2)	Math
Health + Semester Elective	World History	US History	Government/Economics
Science Sustainable Ag Biology++	Science Sustainable Ag Biology++ or Ag and Soil Chemistry++	Science Ag and Soil Chemistry++	Elective ROP Vet Science
World Language	World Language	World Language	World Language
PE 9	PE 10	Plant Science	Elective Intro to Ag Mechanics
Elective	Intro to Animal Science	Elective Ag Leadership	Elective Vet Science
Elective or Study Hall	Elective or Study Hall	Elective	Elective

P – Introduction to Agricultural Mechanics Course #1024

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credit
College Prep: UC/CSU elective (“g”) requirement
Description: This course is an academically challenging and integrates mathematics, science, writing and mechanics. Units include using the Ag Mechanics Shop, Measurement, Project Planning, Electricity and Electronics, Plumbing Systems and Water Use, Concrete and Masonry, Arc Welding, Power Mechanics, and Careers. Students will focus on understanding theory of each area and mastery of application of these theories. Students will exceed core academic knowledge and demonstrate critical thinking skills as they apply their knowledge to projects, scenarios, and case studies. A variety of resources will be used for creating written and oral presentations that demonstrate students’ knowledge and ability.

P-Sustainable Agriculture Biology Course #1025

Grade Level: 9-12
Length: Year Class
Prerequisite: Agriscience OR concurrent enrollment in Agriscience OR instructor approval
Graduation: Fulfills Life Science requirement
College Prep: Fulfills UC/CSU requirement for (“d”) lab sciences.
Description: This is a one year course designed to integrate biological science practices and knowledge into the practice of sustainable agriculture. It is organized into four major sections, each with a guiding question. What is sustainable agriculture? How does sustainable agriculture fit into our environment? What molecular biology principles guide sustainable agriculture? How do we make decisions to maximize sustainable agricultural practices within a functioning ecosystem? Within each unit, specific life science principles will be identified with agricultural principles and practices guiding the acquisition of this knowledge. FFA and SAE projects are an integral part of this course.



P-Agriculture & Soil Chemistry Course #1026

Grade Level: 10-12
Length: Year Class
Prerequisite: Sustainable Agriculture Biology or Biology or instructor approval
Graduation: Fulfills Physical Science requirement
College Prep: Fulfills UC/CSU requirement for (“d”) lab sciences.
Description: This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students will develop an Agriscience research project to be conducted throughout the first semester of the course. Additionally, students will develop and present a capstone soil management plan for agricultural producers. Students will be graded on participation in intracurricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program.

P-Plant Science Course #1051

Grade Level: 10-12
Length: Year Class
Prerequisite: Sustainable Ag Biology and/or Agriculture & Soil Chemistry and/or Algebra 1
Graduation: Fulfills elective credit
College Prep: UC/CSU elective (“g”) requirement
Description: This course is designed to provide the student with theories and principles related to Plant Science. Intended to successfully prepare those students who plan to major in agricultural sciences at a four-year college or university. In this class, students will learn about the structure, growth processes, propagation, physiology, growth media, biological competitors, and post-harvest factors of food, fiber, and plants.

Agriculture and Natural Resources CTE Pathway

ROP Veterinary Science

Course #5088

Grade Level: 11-12 or 16 years old

Length: Year Class

Prerequisite: Algebra and Biology

Graduation: Elective credit.

College Prep: Fulfills UC/CSU elective (“g”) requirement

Description: This course is designed to be the third or fourth class for students in the Agriculture program and targets upper level students needing a third or fourth year of science who are planning on attending a post-secondary school and are interested in the animal science industry. This course will provide the student with principles in the animal science and veterinary medicine focusing on the areas of mammalian production, anatomy, physiology, reproduction, nutrition, respiration and genetics. This course is intended to successfully prepare those students who plan on majoring in agricultural or animal sciences.

Introduction to Animal Science

Course #1016

Grade Level: 10-12

Length: Year Class

Prerequisite: Ag Biology, Earth Sciences, Ag and Soil Chemistry or instructor approval

Graduation: Elective credits.

Description: Provides instruction in the following areas of today’s beef, sheep and goats, swine, equine, poultry, and wildlife industries: skeletal systems, digestive systems, selection, genetics, management practices, equipment, disease and parasite control, feeding, breeding, marketing and meat processing. Units on Zoo management and Wildlife also provides an insight into raising animals that are not-domesticated. Zoo Units cover animals, conservation, history and a disease research project. Wildlife conservation covers history and disease prevention.

Possible Careers:

- Animal Production Specialist
- Agriculture Inspector
- Farm and Ranch Manager
- Sales Representative
- Business Controller
- Agricultural Credit Manager
- Ranch Manager
- Feed Nutritionist
- Soil Conservationist
- Environmental Analyst
- Entomologist
- Viticulturist
- Research Assistant/Associate
- Vineyard Manager
- Water Quality Specialist
- Plant Scientist
- Agriculture Educator
- Park Ranger
- Fish Hatchery Technician
- Wildlife Biologist

The Art & History of Floral Design

Course #1028

Grade Level: 10-12

Length: Year Class

Prerequisite: Sustainable Agricultural Biology or Living Earth or instructor approval

Graduation: Elective credits.

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

Agricultural Leadership and Communications* Course #0086

Grade Level: 10-12

Length: Year Class

Prerequisite: Completion of Agriscience or Sustainable Ag Biology with a C or above. Priority consideration will be given to FFA officers and committee co-chairs.

Graduation: Elective Credit

College Prep: **Pending** Fulfills UC/CSU elective (“g”) requirement

Description: This yearlong course is designed for students who share a common vision towards the growth and development of the agriculture/FFA program to engage students in experiential activities which further their personal development and premier leadership skills. Students will be encompassed in a variety of leadership, management, and employability, public speaking, and community service skills. “Hands-on” learning utilizing computers, technology, and introductory and advanced communications will be addressed. Written and oral skill development will be emphasized through individual and collaborative projects as well as character development through service-learning exercises. Students are expected to demonstrate and develop positive attributes such as a positive attitude, productive work ethic, strong initiative and desire to work towards a common goal /vision, and the willingness to “be involved.”

Applied Technology CTE Pathway

<u>Introductory (9-10)</u>	<u>Concentrator (10-11)</u>	<u>Capstone (11-12)</u>
Introduction to Broadcasting	ROP TV/Video Production	P-ROP Art of Video Production+

+UC/CSU "F" elective credit

Introduction to Broadcasting and Media Course #4055

Grade Level: 9-12

Length: Year Class

Prerequisite: None

Graduation: Fulfills 10 units of elective requirements

Description: This is an entry-level course covering all aspects of the broadcast and mass media industries. Course includes history of broadcasting and 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

Prerequisite: Introduction to Broadcasting and Media

Graduation: Fulfills 10 units of elective requirements

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.

P-ROP Multimedia Course #4115

Grade Level: 11-12 or age 16

Length: Year Class

Prerequisite: None – Intermediate computer skills recommended

Graduation: Elective credit.

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

Description: Students will learn skills for combining text, VR, video, graphics and sound to create multimedia presentations that can be used in business, publishing, advertising, marketing, teaching, or informational services. The course uses hands-on training to prepare for employment by creating a digital resume and beginning an electronic portfolio.

ROP TV/Video Production Course #4090

Grade Level: 11-12 or age 16

Length: Year Class

Prerequisite: Basic computer skills

Graduation: Elective credits.

Description: ROP Video Production provides students the opportunity to develop basic video production techniques. Students will design, shoot, edit, and write and produce video projects.

P-ROP Art of Video Production Course #6183

Grade Level: 11-12 or age 16

Length: Year Class

Prerequisite: Basic computer skills

Graduation: Fulfills Fine Arts requirement or elective credits.

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

Description: This course uses computers and video equipment to plan, shoot, and edit high-quality documentary, educational, and dramatic videos, with emphasis on long-term productions.



Building Trades and Construction CTE Pathway

Introductory (9-10)	Concentrator (10-11)	Capstone (11-12)
Introduction to Woodworking*	Home Improvement	ROP Construction Technology~

*Semester Class

~Course may be repeated for credit

Introduction to Woodworking

Course #4180

Grade Level: 9-12

Length: Semester Class

Prerequisite: None

Graduation: Elective credit.

Description: This is an entry-level class designed to familiarize the student with all aspects of woodworking and the woodworking industry. The student will be exposed to the use of power hand tools; become familiar with the characteristics of hardwoods and softwoods used in the industry, and learn many of the basic techniques used in woodworking. Shop safety and basic hand tool skills will be emphasized and reinforced as students complete several projects.

Home Improvement

Course #4060

Grade: 9-12

Length: Year Class

Prerequisite: None

Graduation: Elective credit

Description: Home Improvement is designed to provide all students an opportunity to develop survival skills as homeowners and renters. Major units will emphasize troubleshooting, maintenance, repair, and upgrading of specific areas within the home and in the yard. Students will build and repair actual prototypes of common household systems.

ROP Construction Technology

Course #4150

Grade Level: 11 – 12 or age 16

Length: Year Class

Prerequisite: Algebra 1 and Home Improvement recommended

Graduation: Elective credit.

Description: Students will have hands-on opportunities to learn all phases of basic residential construction, including carpentry, drawing and reading blueprints, drywall, electrical, flooring, painting, plumbing, roofing tile setting and welding. Students will have the opportunity to perform a practical application of their knowledge and skills in a field-site construction project.



Possible Careers:

- Cabinetmaker
- Cabinet Installer
- Woodworking Machinery Operator
- Custom Millwork Project Estimator
- Woodworking Engineer/Drafter
- Engineer
- Plumber
- Electrician
- Building Inspector
- Estimator
- Carpenter
- Construction Field Manager

Education Careers CTE Pathway

Concentrator (10-11)	Capstone (11-12)
P-ROP Developmental Psych of Children	P - Education Careers Core

P-ROP Developmental Psychology of Children Course #2745

Grade Level: 10-12
Length: Year Class
Graduation: Fulfills elective credits.
College Prep: Fulfills UC/CSU elective (“g”) requirement.
Description: This course is a study of the developmental stages of children from conception through middle childhood, emphasizing the principle theories of development. *Parental notification is required for participation in strands dealing with sensitive issues.*

P-Education Career Core Course #2725

Grade Level: 11-12
Length: Year Class
Graduation: Fulfills elective credits.
College Prep: Fulfills UC/CSU elective (“g”) requirement.
Description: Education Careers Core is designed for students interested in pursuing careers in the field of education through the integration of elective academic content and work-based job-shadowing experience. Students will learn the professional norms, skills and competencies related to careers in education.

P-Education Careers Internship Course #2726

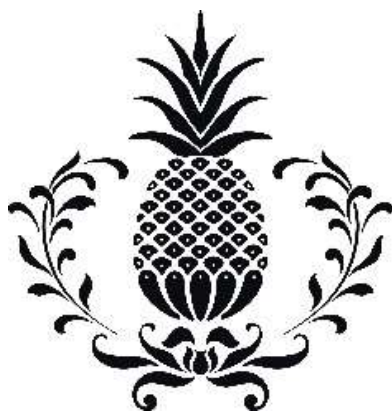
Grade Level: 12
Length: Year Class
Graduation: Fulfills elective credits.
Prerequisite: Education Careers Core or TLC Core
College Prep: UC/CSU elective (“g”) requirement. Dual enrollment: Sonoma State University, ED 150 Prospective Teacher
Description: This course provides CTE Education Careers pathway 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 lesson planning and development. They will complete 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.

Hospitality, Tourism and Recreation CTE Pathway

Concentrator (9-11)	Capstone (11-12)
P-Foods 1+ (not offered for 2022-2023 school year)	P-Advanced Foods: Baking/Pastry +

+UC/CSU "g" elective credit

The Hospitality, Tourism, and Recreation industry sector includes California's fastest-growing industries: travel, recreation, and food and hospitality. Nearly 900,000 jobs are directly supported by the travel industry, making tourism the state's third largest employer; and the industry is expected to expand by more than 2 percent per year through 2014. Food service occupations, ranging from food production and service to the study of human nutrition and wellness, bring in over \$970 million a day and account for 8 percent of jobs worldwide. The California restaurant industry is the largest employer in the state, providing 957,000 jobs, with annual projected sales of \$51.5 billion and sales tax revenues of \$4 billion. Students choosing a career in this industry sector are eligible for positions throughout the world, with potential for advancement and ready availability of continuing employment. To support this burgeoning sector, colleges and universities throughout California and the United States offer courses and degree programs in this field



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P-Foods: Advanced Foods: Baking/Pastry Course #2542

Grade Level: 10-12
Length: Year Class
Prerequisite: Foods 1
Graduation: Fulfills elective credits.
College Prep: ("g") requirement for UC/CSU
Description: Do you like to bake? Try different seasonings with your food? The purpose of this advanced course is to provide the culinary student with the core culinary and technical skills used in the food, restaurant and hospitality industry. The concentration of the course is applying techniques of baking and pastry. This course Articulates with Diablo Valley College as CULN 153 and CULN 105 (With a grade of B or better on the exam and the courses you will receive college credit transferable to any 4 year college.).



This course is only being offered to seniors for the 2022-2023 school year. Students will be required to take the class at Heritage High School. Transportation is not provided.

Possible Careers:

- Food Demonstrator
- Certified Fitness Nutritionist
- Nutritionist
- Registered Dietitian
- Director of Conference Services
- Certified Meeting/Event Planner
- Food Expeditor
- Restaurant Manager
- Banquet and Catering Director
- Research Chef
- Executive Chef
- Guest Services Agent

Information and Communication Technology CTE Pathway

Introductory (9-10)	Concentrator (10-11)	Capstone (11-12)
P-Exploring Computer Science	P-Java Programming P-ROP Exploring Computer Science	P-AP Computer Science A P-ROP AP Computer Sci Principles

*Semester Class

+++UC/CSU “g” math emphasis

~Course may be repeated for credit

P-ROP Exploring Computer Science **Course #4079**
Grade Level: 9-12
Length: Year Class
Prerequisite: Concurrent enrollment in Algebra 1 or have taken Algebra 1
Graduation: Fulfills elective credit.
College Prep: Fulfills (“g”) requirement for UC/CSU
Description: This is an introductory course in computer science. This course provides students with foundational knowledge of programming and computer science. Students will explore topics of human computer interaction, problem solving, web design, computer programming, data modeling, and robotics. Throughout the course, students will understand the algorithmic underpinnings of computer applications and gain technical expertise using networking, game design, information support and topics like artificial intelligence and robotics. Social issues in ICT will be introduced such as hacking and cybersecurity, social media usage and protecting personal information, the digital divide, open government data, and ethical computing.

P-AP Computer Science Principles **Course #4753**
Grade Level: 9-12
Length: Year Class
Prerequisite: Algebra 1 with C or better recommended
Graduation: Fulfills elective credit.
College Prep: Fulfills (“d”) requirement for UC/CSU
Description: This course provides students with foundational knowledge of programming and computer science. Students will explore topics of human computer interaction, problem solving, web design, computer programming, data modeling and robotics. Throughout the course, students will understand the algorithmic underpinnings of computer applications and gain technical expertise using networking, game design, information support and topics like artificial intelligence and robotics. Social issues in ICT will be introduced such as protecting personal information, the digital divide, open government data and ethical computing. AP students will submit one task with artifacts to the College Board and take a 90-minute multiple choice AP exam.

P-Java Programming **Course #2325**
Grade Level: 9-12
Length: Year
Prerequisite: Algebra 1 with C or better
Graduation: Elective credit
College Prep: Fulfills (“g”) requirement for UC/CSU
Description: This is an intermediate class. This course provides students with the fundamental knowledge of computer programming for solving applied problems. Topics covered include using various protocols, language syntax, data structures, object-oriented concepts, interfaces, sorting and searching algorithms, and developing reports. Also covered, software testing, debugging and improvement, integrated development using object-oriented programming and sensory information from robots to solve problems and meet challenges integrating STEM subjects.

P- AP Computer Science A **Course #4747**
Grade Level: 10-12
Length: Year Class
Prerequisite: AP CSP or Java Programming recommended
Graduation: Fulfills elective credit.
College Prep: Fulfills (“c”) requirement for UC/CSU
Description: This 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 course utilizes java. Course is articulated as COMSC 051 at LMC.

An Acceptable Use Policy (AUP) contract, signed by parent/guardian and student, must be on file prior to students using computers on campus (This is done each year at Walk-Thru.)

Possible Careers:

- Computer and Information Systems Manager
- Computer User Support Specialist
- Database Administrator
- Document Management Specialist
- Business Intelligence Analyst
- E-Business/E-Commerce Specialist
- Computer Programmer
- Software Developer/Applications
- Information Security Analyst
- Web Developer
- Game/Simulation Designer
- Game Programmer/Software Developer



Marketing Sales & Service CTE Pathway

Concentrator (10-11)	Capstone (11-12)
P-Entrepreneurship 1	P-Business Economics +

*Semester Class

+UC/CSU “g” elective credit

P-Entrepreneurship 1 **Course #2315**

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credits.
College Prep: Fulfills (“g”) requirement for UC/CSU
Description: This course is an introduction course for the Marketing, Sales and Services Sector. It is designed to promote entrepreneurship business literacy among high school students via common core, project based and assessments. Students will experience education in a project based learning environment while connecting with other students, teachers and local business leadership. Students will learn how to improve workplace ergonomics and increase employee productivity through keyboarding speed and accuracy techniques. Students will learn to engage in higher-order theory, analysis, and interpretation, including applying new knowledge and understanding entrepreneurial business plans.

P-Business Economics **Course #2275**

Grade Level: 10-12
Length: Year Class
Prerequisite: Computer Applications, Algebra 1 highly recommended
Graduation: Fulfills elective credits.
College Prep: Fulfills (“g”) requirement for UC/CSU
Description: The focus of the Business Economics course is on how individuals and societies make choices among alternative uses of scarce resources and how business reacts and interacts in the decision making process. Major topics include: fundamental economic concepts, microeconomics, macroeconomics, global economics and international business, as well as, basic business management, marketing and entrepreneurial concepts. (ROP certificate available)

An Acceptable Use Policy (AUP) contract, signed by parent/guardian and student, must be on file prior to students using computers on campus (This is done each year at Walk-Thru.)



Possible Careers:

- | | |
|--|---|
| <ul style="list-style-type: none"> • Purchasing Agent • Office Manager • Chief Financial Officer • Accounts Payable • Auditor • Accountant • Human Resources Specialist • Education Administrator • Export Sales Representative | <ul style="list-style-type: none"> • Clerk Investment • Consultant Tax Preparer • Venture Capitalist • Financial Planner • International Business Executive • International Shipping Specialist • Customs Broker • Customs Inspector • International Market Researcher |
|--|---|

Transportation CTE Pathway

<u>Introductory (9-10)</u>	<u>Concentrator (10-11)</u>	<u>Capstone (11-12)</u>
Small Gas Engines*	Introduction to Autos	ROP Auto Engineering~

*Semester Class

~Course may be repeated for credit

Small Gas Engine

Course #4005

Grade Level: 9-12

Length: Semester Class

Prerequisite: None

Graduation: Elective

Description: Small Gas Engine is an introductory class for the auto program that will go over the basics of safety, tools and the mechanics of a motor through the disassembly and reassembly of a small one cylinder motor. Students will demonstrate ability to repair small engines such as lawn, garden, and small engines used in agriculture. This course will prepare students for the beginning auto class by teaching them safety, tool use and the basic operations of an engine.

Class size is limited to available workstations.



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P-Introduction to Auto

Course #4000

Grade Level: 10-12

Length: Year Class

Prerequisite: None

Graduation: Fulfills Elective credit.

Description: Students will explore the field of transportation and energy technology. They will develop a knowledge and understanding of the principles upon which an automobile operates. They will understand how specific tools and equipment are used to perform maintenance and repair operations. Articulates with LMC AUTO 110 (5 units)

P-ROP Automotive Engineering

Course #4010

Grade Level: 11-12 or age 16

Length: Year Class

Prerequisite: Algebra 1. Chemistry and Algebra 2 recommended

Graduation: Elective credit. Repeatable Course.

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

Description: Class is especially useful for those going into the automotive field. Future employment and opportunities are stressed. The class will cover diagnosis and repair of the following systems: electrical, fuel, ignition, emission control, computer control and brakes. Engine mechanical diagnosis and rebuilding are also included. ROP Certificate given for sequential years.

Auto Pathway

Need 30 credits to complete:

Intro to Auto x1= 10 credits

ROP Auto Engineering x 2 = 20 credits

Possible Careers:

- Estimator
- Claims Adjuster
- Manufacturer/Insurance Rep
- Shop Forman
- Service Technician
- Investigator/Inspector
- Engineer
- Technical Writer
- Trade School eligibility

English Language Arts

English Fundamentals

Course #3270

Grade Level: 9
Length: Year Class
Prerequisite: Students recommended by their 8th grade language arts teacher, scoring far below or below basic on the 7th grade California Content Standards test, as well as scoring below grade level on the Read 180 placement test.
Graduation: Fulfills elective credit
Description: English Fundamentals is a reading support class. This class will review the fundamentals of grammar, word analysis, and improve student's reading comprehension.

P-English 9

Course #3030

Grade Level: 9
Length: Year Class
Prerequisite: None
Graduation: Fulfills first year of 4-Year English requirement
College Prep: Fulfills English 1 UC/CSU English ("b") requirement
Description: English 9 is a core language arts course integrating literature, speeches, informational texts, writing, grammar, mechanics, speaking and listening, vocabulary development, reading skills and study skills.

P-English 10

Course #3040

Grade Level: 10
Length: Year Class
Prerequisite: None
Graduation: Fulfills second year of 4-Year English requirement
College Prep: Fulfills English 2 UC/CSU English ("b") requirement
Description: English 10 is a core language arts course integrating literature, writing, grammar, mechanics, speaking and listening, vocabulary development, reading skills and study skills.

P-English 11

Course #3050

Grade Level: 11
Length: Year Class
Prerequisite: None
Graduation: Fulfills third year of 4-Year English requirement.
College Prep: Fulfills English 3 UC/CSU English ("b") requirement.
Description: English 11 focuses on Common Core standards and non-fiction texts while integrating the study of American literature with writing, speaking and listening, vocabulary development, and reading skills. English 3 prepares students for the EAP test and Smarter Balanced test.

P-AP English Language and Composition Course #3085

Grade Level: 11
Length: Year Class
Prerequisite: Completion of English 2
Graduation: Fulfills third year of 4-Year English requirement.
College Prep: Fulfills English 3 UC/CSU English ("b") requirement.
Description: In this course, students will read and analyze "Literature of Fact"; essays, speeches and social criticism among others. In the process of analyzing others writings, students will become more adept in their own writing skills in the form of expository, analytical, and argumentative writing. This rigorous course requires students to demonstrate a mastery of standard written English. A grade of "B" or higher in previous English classes highly recommended. *This class prepares student to take the AP test in May.

P-Expository Reading and Writing Course (ERWC) Course #3125

Grade Level: 12
Length: Year Class
Prerequisite: None
Graduation: Fulfills fourth year of 4-Year English requirement.
College Prep: Fulfills English 4 UC/CSU English ("b") requirement.
Description: The expository reading and writing course prepares college bound seniors for the literacy demands of higher education. Students in this year long, rhetoric based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. **Students who earn a grade of "C" or better and score conditionally ready on the EAP through the CAASPP test directly into college level English for California State Universities and junior colleges.**

P-AP English Literature and Composition Course #3120

Grade Level: 12
Length: Year Class
Prerequisite: Completion of English 3
Graduation: Fulfills fourth year of 4-Year English requirement.
College Prep: Fulfills English 4 UC/CSU English ("b") requirement.
Description: AP English Literature and Composition is equivalent to a college or university freshman English course and prepares students to take the advanced placement exam in May. The course is designed to focus on the study of poetry, plays, short stories and longer works of fiction and culture, as well as the various means by which a piece of literature can be analyzed. *This course prepares student to take the AP test in May

English Language Arts

P-Journalism

Course #3190

Grade Level: 10-12
Length: Year Class
Prerequisite: English 1; instructor approval
Graduation: Fulfills elective credit.
College Prep: Fulfills UC/CSU Elective (“g”) requirement.
Description: This class produces the school newspaper “The Lion’s Roar”. Journalism provides an introduction to journalistic writing, non-fiction literature, and newspaper production, including news gathering, layout, advertising, and business management. The course also focuses on a study of the theoretical basis for scholastic freedom of press, the responsibilities of high school journalists, exclusion of First Amendment freedoms, and journalistic ethics. This class may include field trips to area newspapers. *In addition to their letter grade/credit through Liberty High School, students who take this class have the opportunity to earn 3 units of college credit through Los Medanos College. These college units are free of charge.*

P-Literary Analysis through Film

Course #3184

Grade Level: 10-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credit
College Prep: Fulfills UC/CSU Elective (“g”) requirement.
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.

P-Speech and Debate

Course #3202

Grade Level: 10-12
Length: Year Class
Prerequisite: Teacher recommendation
Graduation: Elective credit.
College Prep: Meets UC/CSU “g” requirement.
Description: Speech and Debate is a one-year course in oral communication. Emphasis will be placed on public speaking. Students will be introduced to and will refine research skills, delivery skills, and listening and evaluative skills for a variety of types of speeches. Successful completion of the course will require a considerable amount of reading and writing.

English Language Development (ELD) 1

Course #3165

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills up to 20 units of elective credit
Description: English Language Development 1 is a course designed for non-English speaking students who are placed in it (based on their ELPAC tests) to teach them the basics of communication in the English language in order to successfully complete the course requirements of the high school curriculum. The emphasis of the course will be on oral language communication development, basic vocabulary development, listening comprehension and reading skills.

English Language Development (ELD) 2

Course #3166

Grade Level: 9-12
Length: Year Class
Prerequisite: Completion of ELD 1 with a grade of “C” or higher.
Graduation: Fulfills up to 20 credits of elective credits
Description: English Language Development 2 is a course designed for non-English speaking students who are placed in it (based on their ELPAC tests) to teach them the basics of communication in the English language in order to successfully complete the course requirements of the high school curriculum. The emphasis of the course will be on oral language communication development, basic vocabulary development, listening comprehension and reading skills with the goal of improving students’ overall English language communication skills.

P-English Language Development (ELD) 3

Course #3162

Grade Level: 9-12
Length: Year Class
Prerequisite: None
College Prep: Fulfills UC/CSU English (“b”) requirement.
Graduation: Fulfills up to 10 units of English 4 requirement and 10 units of elective credit.
Description: English Language Development 3 is a course designated for non-English speaking who are placed in it based on their ELPAC score. ELD 3 will teach them advanced communication in the English language in order to be successfully mainstreamed into the high school curriculum. The emphasis of the course will be on oral language communication, advanced vocabulary development, listening comprehension, reading skills, and writing.

Mathematics

P-Algebra 1

Course #4630

Grade Level: 9-12
Length: Year Class
Prerequisite: Placement based upon District-approved criteria.
Graduation: Fulfills one year of the math requirement
College Prep: Fulfills UC/CSU math (“c”) requirement
Description: Algebra 1 is designed to focus on a deepening understanding of linear relationships, with extension to exponential and quadratic functions. Significant focus is on modeling of functions. Students will engage in analyzing, solving, and building functions. This applies to functions that are linear, exponential, and quadratic. Students compare and contrast these models. Students understand and apply exponential reasoning to square and cube roots. Students learn to apply linear models to data that exhibit a linear trend using statistical reasoning.

Algebra 1 Support

Course #4563

Grade Level: 9-12
Length: Year Class
Graduation: Fulfills ten elective credits
Prerequisite: Concurrent enrollment in Algebra 1
Description: Algebra 1 Support is an elective course designed for students concurrently enrolled in Algebra 1 who need additional help to be successful.

P-Geometry

Course #4670

Grade Level: 9-12
Length: Year Class
Graduation: Fulfills one year of math requirement.
College Prep: Fulfills UC/CSU math (“c”) requirement.
Description: Geometry is a rigorous, college-prep course with homework that reflects this. It emphasizes the formal development of those geometric and algebraic skills and concepts necessary for success in Algebra 2 and college entrance testing programs. Students who earned less than a “C” in their previous math class are recommended to re-take the previous course.

P-Geometry Support

Course #4501

Grade Level: 9-12
Length: Year Class
Prerequisite: Concurrent enrollment in geometry
Graduation: Fulfills ten elective credits
Description: Geometry Support is an elective course designed for students currently enrolled in Geometry who need additional help to be successful.

Applied Career Mathematics

Course #4605

Grade Level: 11-12
Length: Year Class
Prerequisite: Geometry
Graduation: Fulfills one year of math requirement
Description: The emphasis of applied career mathematics will be on real-world problems and applications, specifically focusing on personal and business finance. The content of the course will include Algebra and Geometry with some statistics and probability skills.

P-Algebra 2

Course #4690

Grade Level: 9-12
Length: Year Class
Prerequisite: Algebra 1
Graduation: Fulfills one year of math requirement.
College Prep: Fulfills UC/CSU math (“c”) requirement.
Description: Algebra 2 is a course designed to quickly review and then expand upon the mathematical content of Algebra 1 and Geometry. Logarithmic and exponential functions, series and sequences, quadratic systems, conic sections and the complex numbers are introduced. Algebra 2 forms the foundation upon which college-level mathematics and statistics courses are built and is therefore essential for college-bound students. Students in this course are encouraged to own a graphing calculator. We recommend the TI-84+. Students who earned less than a “C” in their previous math class are recommended to re-take the previous course.

Algebra 2 Support

Course # 4510

Grade Level: 9-12
Length: Year Class
Prerequisite: Concurrent enrollment in Algebra 2
Graduation: Fulfills ten elective credits
Description: Algebra 2 Support is an elective course designed for students concurrently enrolled in Algebra 2 who need additional help to be successful.

P-Pre-Calculus

Course #4710

Grade Level: 10-12
Length: Year Class
Prerequisite: C or better in Algebra 2
Graduation: Fulfills one year of math requirement.
College Prep: Fulfills UC/CSU math (“c”) requirement.
Description: Pre-Calculus is a year-long course designed to meet more than the basic college-level entry requirements in mathematics. It will include topics in algebraic, geometric, trigonometric, analytic, exponential, and logarithmic functions. It will also cover additional topics including polar, conic, and systems of equations and inequalities, sequences and probability, vectors, and the use of technology to solve problems related to the above-mentioned topics. Students enrolled in this class will need to use a graphing calculator. We recommend the TI-84+ calculator. Students who earned less than a “C” in their previous math class are recommended to re-take the previous course.

Mathematics

Algebra 2-Pre-Calculus

Course #4702

Grade Level: 10-12
Length: Year Class
Prerequisite: Successful completion of Algebra I and Geometry and **teacher recommendation.**
Graduation: Fulfills one year of math requirement
College Prep: **Pending** Fulfills UC/CSU math (“c”) requirement
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.

P-AP Calculus AB

Course #4720

Grade Level: 11-12
Length: Year Class
Prerequisite: C or better in pre-calculus
Graduation: Fulfills one year of math requirement
College Prep: Fulfills UC/CSU math (“c”) requirement
Description: AP Calculus is designed for the motivated math student who will likely pursue a career in a math-related field. ***This is a rigorous and demanding class requiring extra hours dedicated to homework and study.*** Calculus will extend the study of limits, functions and derivatives, consider exponential functions, and applications of the definite integral, including volumes of solids of revolution. Students in this course will need to use a graphing calculator. We recommend the TI-84+. Students who earned less than a “B” in their previous math class are not recommended to take this course.
**This course prepares students to take the AP exam in May.*

P-AP Calculus BC

Course # 4725

Grade Level: 11-12
Length: Year Class
Prerequisite: C or better in AP calculus AB
Graduation: Fulfills one year of math requirement
College Prep: Fulfills UC/CSU math (“c”) requirement
Description: AP Calculus is designed for the motivated math student who will likely pursue a career in a math-related field. ***This is a rigorous and demanding class requiring extra hours dedicated to homework and study.*** This course will review the topics covered in AP Calculus AB and will additionally include: parametric, polar and vector functions, Euler’s method, L’Hopital’s Rule, applications of integrals, integration by substitution, improper integrals, logistic differential equations, and polynomials approximation and series. Students in this class will need to use a graphing

calculator. We recommend the TI-84+. ** This course prepares students to take the AP exam in May.*

P-Statistics

Course #4740

Grade Level: 10-12
Length: Year Class
Prerequisite: Algebra 2
Graduation: Fulfills one year of math requirement.
College Prep: Fulfills UC/CSU math (“c”) requirement.
Description: Statistics is designed for college-bound students who have completed Algebra II. Statistics examines relationships in data and means of displaying the data. Strong emphasis is placed upon understanding inferential statistics, as well as the usage of statistics in modern media. Students enrolled in this class will need to use a graphing calculator. We recommend the TI-84+. Students who earned less than a “C” in their previous math class are recommended to re-take the previous course.

P-AP Statistics

Course #4750

Grade Level: 11-12
Length: Year Class
Prerequisite: Algebra 2
Graduation: Fulfills one year of math requirement.
College Prep: Fulfills UC/CSU math (“c”) requirement.
Description: AP Statistics is designed for college bound students who have completed Algebra 2. AP Stats covers the relationships between data and how it can be used to influence decision-making in fields such as science, social science and consumer affairs. The emphasis is on understanding both description and inferential statistics with a reduced emphasis on computation. Students are expected to take the AP Statistics Exam. Students enrolled in this class will need to use a graphing calculator. We recommend the TI-84+ calculator. Student who earned less than a “C” in their previous math course are recommended to re-take the previous math course.

Performing Arts

P-Introduction to Dance Arts

Course # 6000

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credit.
College Prep: Fulfills VAPA ("F") requirement for UC/CSU
Description: Class includes beginning dance techniques and terminology, warm-up exercises, in-class choreography, movement in space, and dance improvisation. It incorporates techniques of modern dance, social dance, and cultural dance especially as related to the local community.

P-Intermediate Dance Arts

Course # 6003

Grade Level: 9-12
Length: Year Class (May be repeated for credit)
Prerequisite: Intro to Dance Arts or on year dance experience (9th graders with instructor approval)
Graduation: Fulfills elective credit.
College Prep: Fulfills VAPA ("F") requirement for UC/CSU
Description: A course with a more intense emphasis in ballet, jazz, and tap, with other explorations of other dance forms, both social and cultural. Review of previous spelling and terminology from beginning dance with additional vocabulary in ballet, jazz, and tap. Students will be expected to participate daily in appropriate dance attire, and perform in public forums. This course will allow students to continue in knowledge and improve their dance skills; offer more opportunities for students to perform in public forums; enhance their body awareness and self-esteem.

P-Advanced Dance Arts

Course # 6006

Grade Level: 10-12
Length: Year Class
Prerequisite: Beginning dance or a year of outside dance experience
Graduation: Fulfills elective credit.
College Prep: Fulfills VAPA ("F") requirement for UC/CSU
Description: A year course focusing on the study of/and discipline of ballet, jazz and tap. Students will be expected to participate in each type of dance, two dance recitals and two on site auditions. Continued review and growth in vocabulary in written expression, visual identification and physical execution will be expected. Students will also engage in creative choreography.

P-Theatre Arts I

Course #6104

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills Fine Arts requirement /elective credit.
College Prep: Fulfills VAPA ("F") requirement for UC/CSU
Description: This is a theatre appreciation course giving students a survey of various aspects of theatre and drama. Students will learn basic theatre information in a fun, comfortable atmosphere.

P-Theatre Arts II

Course #6166

Grade Level: 9-12
Length: Year Class
Prerequisite: Theater Arts I or audition, testing and interview
Graduation: Fulfills Fine Arts requirement /elective credit.
College Prep: Fulfills VAPA ("F") requirement for UC/CSU
Description: This beginning acting 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, and other activities.

P-Theatre Arts III

Course # 6176

Grade Level: 10-12
Length: Year Class
Prerequisite: Theatre Arts I, II or audition, testing and interview
Graduation: Fulfills Fine Arts requirement /elective credit.
College Prep: Fulfills VAPA ("F") requirement for UC/CSU
Description: This is an intermediate acting course designed to provide instruction and experience for students who wish to develop more proficient knowledge in theatre vocabulary and acting techniques through a variety of performance experiences and other activities.

P-Acting and Directing Workshop

Course #6190

Grade Level: 10-12
Length: Year Class
Prerequisite: Theatre Arts I, II and III and successful completion of entrance requirements (audition, testing and interview).
Graduation: Fulfills Fine Arts requirement /elective credit.
College Prep: Fulfills VAPA ("F") requirement for UC/CSU.
Description: This course is 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, including a public performance.

Theatre Production and Stagecraft I

Course # 6130

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills Fine Arts requirement /elective credit
Description: Theatre Production and Stagecraft I is a one year course designed for students who desire to learn various facets of non-performance theatre arts: technical and production. The course provides an opportunity for some practical application of the knowledge and skills learned. Students may apply design and technical knowledge to support a school production.

Performing Arts

Theatre Production and Stagecraft II Course # 6136

Grade Level: 9-12
Length: Year Class
Prerequisite: Theatre Production and Stagecraft I
Graduation: Fulfills Fine Arts requirement /elective credit.
Description: Theatre Production and Stagecraft II is a one year course designed for students who desire to advance their proficiency in various facets of non-performance theatre arts: technical and production. The course provides an opportunity for the practical application of the knowledge and skills learned. Students will function as a part of a technical team in planning, implementing, and running the technical aspects of theatrical productions. Students may apply design and technical knowledge to support a school production.

P-Concert Band Course # 6016

Grade Level: 9-12
Length: Year Class- May be repeated for credit
Prerequisite: Permission of instructor.
Graduation: Fulfills Fine Arts requirement or elective credit.
Description: Concert band is a performance ensemble for first year high school or entry level band students. Other performances will include holiday and spring concerts and music festival performances. Members of this class become the LHS marching band. Additional rehearsals are held after school for instrument sectionals and half-time shows on the football field. All rehearsals (including band camp) and performances are mandatory.

P-Symphonic Band Course #6020

Grade Level: 9-12
Length: Year Class - may repeat for credit.
Prerequisite: One year concert band or instructor approval
Graduation: Fulfills Fine Arts requirement/ elective credit.
College Prep: Fulfills VAPA (“f”) requirement for UC/CSU.
Description: Symphonic band is an advanced performance ensemble for advanced high school musicians. Other performances will include home concerts as well as performances at other high schools, colleges, and festivals. Additional rehearsals are held after school for instrument sectionals and half-time shows on the football field. All rehearsals (including band camp) and performances are mandatory. Members of this class are part of the marching band.

P-Colorguard Course # 6040

Grade Level: 9-12
Length: Year Class
Prerequisite: Audition
Graduation: Fulfills Fine Arts requirement or elective credit.
Description: This course is a performance-based course with a focus on dance fundamentals and the spinning of equipment. Students will learn to spin flag, rifle, and saber. Students will combine music, theater, and dance for final productions. Students have the opportunity to participate in the Winter Guard program. Additional rehearsals are held after school for instrument sectionals and half-time shows on the football field. All rehearsals (including band camp) and performances are mandatory.

P- Jazz Band 1 Course # 6026

Grade Level: 9-12
Length: Year Class
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.

P-Jazz Band 2 Course #6028

Grade Level: 9-12
Length: Year Class – May be repeated for credit
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.

P-Percussion Course # 6046

Grade Level: 9-12
Length: Year Class - May be repeated for credit.
Prerequisite: One Year of Concert Band and/or Permission of Instructor
Graduation: Fulfills (“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. Additional rehearsals are held after school for instrument sectionals and half-time shows on the football field. All rehearsals (including band camp) and performances are mandatory.

Performing Arts

P-Beginning Ukulele

Course #6067

Grade Level: 9-12
Length: Year Class – May be repeated for credit
Graduation: Fulfills VAPA (“f”) requirement for UC/CSU
Description: Ukulele will provide instruction for students around the history, technique, and ensemble playing. The course will be split into several units that cover various aspects of understanding the instrument and the music that can be created with the Ukulele. Students will be led through a routine of tuning their ukuleles, warming-up, group instruction, and independent group practicing and playing. Students will also learn basic maintenance of the instrument and how to change strings, clean the ukulele’s surface, clean strings, and maintain tuning. This course will also provide an opportunity to learn to read music while playing both chords and melodies.

P-Concert Choir

Course #6099

Grade Level: 9-12
Length: Year Class- May be repeated for credit.
Prerequisite: None
Graduation: Fulfills Fine Arts requirements.
College Prep: Fulfills VAPA (“f”) requirement for UC/CSU
Description: Concert choir is a beginning to intermediate choral ensemble with an emphasis on musicianship, vocal production and vocal techniques. All performances are mandatory.

P-A Cappella Choir

Course # 6092

Grade Level: 10-12
Length: Year Class– May be repeated for credit
Prerequisite: 1 year concert or women’s chorus and/or permission/audition of instructor.
Graduation: Fulfills Fine Arts requirement or elective credits.
College Prep: Fulfills VAPA (“f”) requirement for UC/CSU
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 production and vocal/choral technique. All performances are mandatory. May be repeated for credit

P-Treble Choir

Course #6142

Grade Level: 10-12
Length: Year Class – May be repeated for credit
Prerequisite: One year of Men’s/Women’s Chorus and/or audition/permission of instructor.
Graduation: Fulfills Fine Arts requirements or elective credit.
College Prep: Fulfills VAPA (“f”) requirement for UC/CSU
Description: Treble Choir is an intermediate choral music class designed for students with significant vocal/choral experience. Emphasis is on Intermediate musicianship, vocal/choral production, and vocal/choral technique. All performances are mandatory. May be repeated for credit.

P-Select Singers

Course # 6100

Grade Level: 10-12
Length: Year Class - May be repeated for credit.
Prerequisite: A Cappella Choir/Women’s Ensemble and/or audition/permission of instructor.
Graduation: Fulfills Fine Arts requirement or elective credit.
College Prep: Fulfills VAPA (“f”) requirement for UC/CSU.
Description: Select Singers is an advanced choral music class designed for singers displaying a high degree of vocal/choral experience and skill. Emphasis is on more advanced facets of musicianship, vocal/choral production and vocal/choral technique. All performances are mandatory. *Students enrolled in this class must be concurrently enrolled in either a cappella choir or women’s ensemble.

P-AP Music Theory

Course# 6068

Grade Level: 10-12
Length: Year Class
Prerequisite: Proficient in Music Reading
Graduation: Fulfills Fine Arts requirement /elective credit.
College Prep: Fulfills VAPA (“f”) requirement for UC/CSU.
Description: This course is designed to prepare students for the Advanced Placement Music Theory Exam. Students will develop awareness and understanding of the styles, idioms, performance media and purposes of music that are part of our multi-cultural heritage.

Physical Education

Students must successfully complete a full year of 9th grade CORE and a full year of 10th grade CORE Physical Education. After successful completion of these two years, students may select upper level P.E. classes as elective classes. The Liberty Union High School District Standards and Benchmarks are an integral part of the CORE Physical Education Classes. All Physical Education students are required to wear designated PE clothing. PE Clothes may be purchased at Walk Thru or in the Liberty Student Store. Students may wear solid red bottoms with a solid grey or white top.

9th Grade Core Physical Education **Course #5750**

Grade Level: 9
Length: Year Class
Prerequisite: None
Graduation: Fulfills 9th grade PE requirement.
Description: Physical Education is required in grade 9. All Freshman Physical Education students take the California Physical Performance and Health Related Test during the third quarter. Additional activities include physical fitness, field games, weight training, plyometric, aquatics, various team sports, steroid, and nutrition education. Students must complete the required standards and benchmarks (9th grade core Physical Education).

10th Grade Core Physical Education **Course #5760**

Grade Level: 10-12
Length: Year Class
Prerequisite: Successful completion of Freshman Core Physical Education.
Graduation: Fulfills 10th grade PE requirement.
Description: This course emphasizes lifetime wellness and fitness. Other class activities may include aerobics, basketball, fitness training, football, plyometrics, soccer, softball, swimming, tennis, volleyball and weight training. The physical education curriculum reflects the Liberty Union High School District Standards in Physical Fitness and Health.

Advanced Athletic Skills **Course ID#5662**

Grade level: 10-12
Length: Semester class
Prerequisite: Successful completion of 9th grade core, participation in a sport and/or teacher recommendation
Graduation: Fulfills elective credit
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 & Tactics **Course ID#5674**

Grade level: 10-12
Length: Semester class
Prerequisite: 9th grade core PE program
Graduation: Fulfills elective credit
Description: This course is a designed physical education elective focusing on basketball. Students will learn and practice the game of basketball with the goal of learning lifelong athletic skills through basketball participation. Students will also learn the history of basketball to increase knowledge.

Bowling Fundamentals **Course #5670**

Grade level: 10-12
Length: Semester class
Prerequisite: 9th grade core PE program
Graduation: Fulfills elective credit
Description: Bowling Fundamentals will provide an introduction to the discipline of Physical Education through 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.

Sculpt and Tone **Course #5794**

Grade level: 10 -12
Length: Semester Class (May be repeated for credit)
Prerequisite: 9th grade core PE program
Graduation: Fulfills elective credits
Description: Students will participate in aerobics, Tae Bo, yoga, weight-training, walking, running and body shaping. Students will focus on setting personal fitness goals by tracking progress through a personal portfolio. Concurrent enrollment in core PE 10 okay.

Strength and Fitness **Course #5792**

Grade Level: 10-12
Length: Semester class (May be repeated for credit)
Prerequisite: 9th grade core PE program
Graduation: Fulfills elective credits.
Description: Students focus on toning and building muscle through weight training, cardiovascular training, and speed development. Concurrent enrollment in core PE 10 okay.

Team Sports **Course #5790**

Grade Level: 10-12
Length: Semester Class
Prerequisite: 9th grade core PE program
Graduation: Fulfills elective credit
Description: This course 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 through cooperative games and tournaments.

Physical Education

Walking for Fitness

Course # 5676

Grade Level: 10-12

Length: Semester (May be repeated for credit)

Prerequisite: 9th grade core PE program

Graduation: Fulfills elective credits

Description: Low-impact cardiovascular fitness designed to improve fitness, promote weight management, improve nutritional habits, looks deeper into the benefits of walking as an aerobic activity, and get students on a path to lifelong fitness. This course has been designed to meet the needs of those students with moderate to severe physical limitations (asthma, allergies) or those with a poor fitness level who are unable to participate in other physical education classes due to medical conditions. Concurrent enrollment in core PE 10 okay.

Baseball/Softball Tactics

Course #5668

Grade Level: 10-12

Length: Semester; repeat for credit

Prerequisite: Successful completion of 9th Grade Core PE

Graduation: Elective Credit (Does not replace Core PE classes)

Description: Students will learn proper technique and tactics for baseball/softball, including conditioning, weight training, defensive, offensive, base running, and hitting skills.

Yoga Plus

Course #6007

Grade Level: 10-12

Length: Semester Class (May be repeated for credit)

Prerequisite: None

Graduation: Fulfills elective credit

Description: This course will focus on the basics of yoga, technique and practice. Yoga styles will include Bikram, Vinyasa Flow, and Iyengar. Non-religious yoga philosophy and yoga history will be introduced. Other cultural styles and histories of movement such as Tai Chi, improvisation, partner dance, and the history and philosophy of social and cultural movement and social dance etiquette will be introduced. Students are expected to come to class with a yoga mat and loose non-constrictive clothing.

Science

P-The Living Earth (Lab Science) Course #5020

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills Life Science requirement.
College Prep: Fulfills UC/CSU Lab Science (“d”) requirement

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 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.

P-AP Biology (Lab Science) Course #5010

Grade Level: 10-12
Length: Year Class
Prerequisite: Living Earth or sustainable ag biology, and either chemistry, ag & soil chemistry or teacher recommendation
Graduation: Fulfills elective credit
College Prep: Fulfills UC/CSU Lab Science (“d”) requirement

Description: AP Biology is designed for the advanced science student. 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 high school science courses. This course includes extensive use of modern biological research technology. *This class prepares students to take the AP exam in May.

P-Anatomy & Physiology (Lab Science) Course #5060

Grade Level: 11-12
Length: Year Class
Prerequisite: Living Earth or Ag Biology; chemistry/ag & soil chemistry recommended but not required
Graduation: Fulfills Life Science requirement
College Prep: Fulfills UC/CSU Lab Science (“d”) requirement

Description: Anatomy and physiology is a one-year lab-based course devoted to the study of the human body systems and to related careers in the area of health. All systems will be demonstrated to interrelate in the total functioning of the human body. While studying the different body systems, diseases, and related conditions, the health field will be investigated and discussed (Health Careers).

P-Chemistry in the Earth System (Lab Science) Course #5140

Grade Level: 10-12
Length: Year Class
Prerequisite: Living Earth or sustainable ag biology
Graduation: Fulfills Physical Science requirement.
College Prep: Fulfills UC/CSU Lab Science (“d”) requirement

Description: Chemistry in the Earth System is a (college preparatory) two-semester 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 strictly 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 round out the course.

P-AP Chemistry (Lab Science) Course #5160

Grade Level: 11-12
Length: Year Class
Prerequisite: Algebra 2 and chemistry or ag & soil chemistry
Graduation: Fulfills elective credit
College Prep: Fulfills UC/CSU Lab Science (“d”) requirement

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.

P-Forensic Science Course #5125

Grade Level: 11-12 or age 16
Length: Year Class
Prerequisite: Living Earth or sustainable ag biology, chemistry or ag & soil chemistry
Graduation: Fulfills elective credit
College Prep: Fulfills UC/CSU elective (“g”) requirement

Description: Forensic science is a broad survey of the scientific skills, disciplines and training used by forensic specialist in law enforcement, business and industry. This is a year-long applied laboratory science course designed to introduce students to the field of forensic science. Students will learn the fundamental concepts of forensic science and apply them in the completion of laboratory assignments and analysis of criminal evidence. Students will also participate in case studies of real and simulated crimes and will learn how to prepare case study reports.

Science

P-Physics in the Universe (Lab Science) Course #5165

Grade Level: 10-12
Length: Year Class
Prerequisite: none
Graduation: Fulfills Physical Science Lab requirement.
College Prep: Fulfills UC/CSU Physical Science (“d”) requirement.

Description: The sequence of this course is based on a specific storyline about renewable energy and climate change. Both physical science and earth science emphasize how discoveries in their discipline influence society, but the two differ in which aspects of society they focus upon. Physical science emphasizes society's use of technology while Earth and space science emphasize humanity's impact on natural systems and the other way around, which included California's Environmental Principles and Concepts. Students will explore phenomena such as humanitarian food drops, thunderstorms & weather, geothermal vents, electricity production, earthquakes, and a teacher-chosen phenomenon dealing with the electromagnetic spectrum.

P-AP Physics 1 (Lab Science) Course #5185

Grade Level: 10-12
Length: Year Class
Prerequisite: Completion of Geometry and concurrent enrollment in Algebra 2 recommended
Graduation: Fulfills Physical Science Lab requirement.
College Prep: Fulfills UC/CSU Physical Science Lab (“d”) requirement.

Description: AP Physics 1 is a rigorous, algebra-based, college-level physics course designed to prepare students to take and pass the AP Physics 1 exam. 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 an introduction to simple circuits. Laboratory activities are a major part of this course. **This class prepares students to take the AP exam in May.*

P-AP Physics 2 (Lab Science) Course #5186

Grade Level: 11-12
Length: Year Class
Prerequisite: Physics in lieu AP Physics 1
Graduation: Fulfills Physical Science Lab requirement.
College Prep: Fulfills UC/CSU Physical Science Lab (“d”) requirement.

Description: AP Physics 2 is a course for those students who have completed Physics or AP Physics 1. Students will branch away from the study of mechanics and move toward the study of thermodynamics, geometric optics, electrostatics, fluid mechanics, electro-magnetism, circuits, nuclear and quantum mechanics. **This class prepares students to take the AP exam in May.*

P-AP Physics C – Mechanics (Lab Science) Course # 5187

Grade Level: 11-12 (Grade 10 if enrolled in calculus)
Length: Year class
Prerequisite: Concurrent enrollment in Calculus or teacher approval
Graduation: Fulfills Physical Science Lab requirement.
College Prep: Fulfills UC/CSU Physical Science Lab (“d”) requirement.

Description: The Physics C: Mechanics course is equivalent to a one-semester, calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.

P-AP Physics C – Electricity & Magnetism Course #5188

Grade Level: 11-12 (Grade 10 if enrolled in calculus)
Length: Year class
Prerequisite: Concurrent enrollment in Calculus or teacher approval
Graduation: Fulfills Physical Science Lab requirement.
College Prep: Fulfills UC/CSU Physical Science Lab (“d”) requirement.

Description: This course is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.

P-AP Environmental Science (Lab Science) Course #5092

Grade Level: 11-12
Length: Year class
Prerequisite: Algebra and Living Earth or Sustainable Ag Biology (Chemistry or Ag & Soil Chemistry recommended)
Graduation: Fulfills elective credit
College Prep: Fulfills UC/CSU Physical Science Lab (“d”) requirement.

Description: This course provides students with the principles, concepts, and methodologies required to understand the inter relationships 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. **This class prepares students to take the AP exam in May.*

Social Science

P-AP Human Geography **Course #5260**

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credit
College Prep: UC/CSU elective ("g") requirement
Description: Introduction 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. Students also learn about methods and tools geographers use in their science and practice. **This course will prepare students to take the AP Exam in May.*

P-World History **Course #5240**

Grade Level: 10
Length: Year Class
Prerequisite: None
Graduation: Fulfills World History requirement
College Prep: Fulfills UC/CSU History ("a") requirement
Description: Modern World History covers the contributions and growing interdependence of the various peoples and cultures of our world. This course will provide students with an understanding of the effects on the world of the use of democratic ideas, the Industrial Revolution, imperialism, colonialism, World War I and II, the Cold War, totalitarianism, nationalism, and the problems of the contemporary world.

P-AP World History: Modern **Course #5270**

Grade Level: 10-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills World History requirement
College Prep: Fulfills UC/CSU History ("a") requirement
Description: This class examines the same curriculum as a freshmen level college world history (civilizations) class. The class covers the time period from 1200 to present. **This class prepares students to take the AP exam in May.*

P-U.S. History **Course #5280**

Grade Level: 11
Length: Year Class
Prerequisite: None
Graduation: Fulfills U.S. History requirement
College Prep: Fulfills UC/CSU History ("a") requirement
Description: Contemporary U.S. 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. This year begins with a selective review with an emphasis on the nation's beginning and the industrial transformation.

P-AP U.S. History **Course #5290**

Grade Level: 11-12
Length: Year Class
Graduation: Fulfills U.S. History requirement
College Prep: Fulfills UC/CSU History ("a") requirement
Description: AP U.S. History is the equivalent to freshman U.S. History on the college or university level. Throughout the year students will examine American culture including religion, literature, art, drama, architecture, education, and the mass media. **The course will prepare students to take the AP Exam in May.*

P-American Government **Course #5330**

Grade Level: 12
Length: Semester Class
Prerequisite: World History and English 2
Graduation: Fulfills American Government requirement
College Prep: Fulfills UC/CSU History ("a") requirement
Description: American Government is a semester 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. A community service requirement is part of the course.

P-AP American Government **Course #5295**

Grade Level: 12
Length: Semester Class
Prerequisite: None
Graduation: Fulfills American Government requirement
College Prep: Fulfills UC/CSU History ("a") requirement
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. A community service requirement is part of the course. **This course will prepare students to take the AP Exam in May.*

P-Economics **Course #5335**

Grade Level: 12
Length: Semester Class
Prerequisite: None
Graduation: Fulfills Economics requirement
College Prep: UC/CSU History ("g") requirement
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.

Social Science

P-AP Macroeconomics

Course #5365

Grade Level: 12
Length: Semester Class
Prerequisite: None
Graduation: Fulfills Economics requirement
College Prep: Fulfills UC/CSU History (“g”) requirement
Description: This AP Economics class will prepare 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. *This course will prepare students to take the AP Exam in May.

P-Ethnic Studies

Course #5230

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credits.
College Prep: UC/CSU History (“g”) requirement
Description: This year long course delves into the history of the United States, learning about people of color’s experiences and contributions to our nation’s history to develop a more complex understanding of the human experience.

P-History of American Popular Music

Course #5292

Grade Level: 11-12
Length: Year Class
Prerequisite: US History
Graduation: Fulfills elective credits.
College Prep: UC/CSU History (“g”) requirement
Description: History of American Popular Music focuses on the musical style that emerged around WWII and dominated the second half of the 20th century – rock and roll. Student will analyze the various forms of popular music and other cultural markers that reflect the changing society in which it was created. As “rock and roll” has meant different things to different people, from rockabilly to do-wop, heavy metal to hip-hop, student will study major artists and styles of music along with the historical surroundings that influenced and reflected these styles. Students will be able to demonstrate understanding of this fascinating aspect of American history through daily readings and homework along with unit-based projects and examinations.

P-History of World War II

Course #5275

Grade Level: 11-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credits.
College Prep: Fulfills UC/CSU elective (“g”) requirement
Description: This class will study the causes, the course and the implications of World War II, this greatest of twentieth century conflicts. It will handle the geographic areas involved, the major diplomatic, political and military events and some of the key figures of the war. It covers the time period of 1918 to 1950 with an emphasis of course on the years 1939-1945.

African American History 1

Course #5276

Grade Level: 10-12
Length: Year Class
Prerequisite: None (Recommend Psych in Society)
Graduation: Fulfills elective credits
College Prep:
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.

P-Psychology within Society

Course #5396

Grade Level: 10-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credits
College Prep: Fulfills UC/CSU elective (“g”) requirement
Description: Psychology within Society is a one year study of psychology designed to introduce students to the systemic and scientific study of the behavior and mental processes of human beings. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. This course is designed for the entry-level student who has an interest in learning about psychology.

P-AP Psychology

Course #5397

Grade Level: 11-12
Length: Year Class
Prerequisite: None (Recommend Psych in Society)
Graduation: Fulfills elective credits
College Prep: Fulfills UC/CSU elective (“g”) requirement
Description: AP Psychology covers the equivalent of a college freshman Psychology course. 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. This course requires extensive reading, both primary source and supplemental literature, intense group interaction, and individual presentations involving critical reasoning skills. The students explore possible career choices within the psychological community and evaluate current trends, which may affect future occupations.
*This course will prepare students to take the AP Exam in May.

Social Science

P-Sociology

Course #5398

Grade Level: 10-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective requirement
College Prep: UC/CSU History (“g”) requirement
Description: This course is a one-year study of sociology designed to introduce students to the systematic and scientific study of social life, social change, and the social causes and consequences of human behavior. The course will cover the four domains of sociology to better understand how to analyze and explain society, culture, social institutions, social relationships, social behavior, social inequity, and social problems. The subject matter ranges from the intimate family to the internet; from organize crime to religious traditions; and from the divisions of race, gender, and social class to the shared beliefs of a common culture. Students will approach these topics on an empirical basis through the use of scientific data to study the social world.

P-AP Seminar

Course #3174

Grade Level: 10-12
Length: Year Class
Prerequisite: Taken at least one AP course in 9th or 10th grade concurrently (recommended)
Co-Requisite: Concurrently enrolled in at least one AP course
Graduation: Fulfills elective requirement
College Prep: UC/CSU History (“g”) requirement
Description: This 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 course utilizes an inquiry framework to include: reading and analyzing articles, research studies, foundational/literary/philosophical texts, listening and viewing speeches/broadcasts/personal accounts, and experiencing artistic works/performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral/visual presentations.

P-AP Research

Course #3176

Grade Level: 11-12
Length: Year Class
Prerequisite: AP Seminar
Graduation: Fulfills elective requirement
College Prep: UC/CSU History (“g”) requirement
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.

Visual Arts

P-Beginning Art

Course #1506

Grade Level: 9-12

Length: Year Class

Prerequisite: None

Graduation: Fulfills Fine Arts requirement or elective credit

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: Beginning Art is a standards-based class that introduces the students to the fundamentals of art through a variety of assignments based on the elements and principles of art. Students explore a variety of artistic processes and mediums, engage in making a work of art with and without having a preconceived plan, interpret and analyze art work and hypothesize ways in which art influences perception and understanding of human experiences.

P-Intermediate Art

Course #1516

Grade Level: 10-12

Length: Year Class

Prerequisite: Beginning Art or approval of instructor

Graduation: Fulfills Fine Arts or elective credit

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: Intermediate Art is a standards-based course that builds on the concepts and skills learned in Beginning Art. Students continue to study the language of art and strong composition, explore a variety of drawing and painting techniques, begin to develop personal style and establish goals and create artwork that is meaningful and has purpose to them. Students will continue to interpret, analyze, and evaluate their artwork and leave the course with a portfolio of work. Intermediate art may be repeated for credit.

P-Advanced Art

Course #1520

Grade Level: 10-12

Length: Year Class

Prerequisite: One year of beginning and intermediate art

Graduation: Fulfills Fine Arts requirement or elective credit

College Prep: Fulfills VAPA (“F”) and/or elective (“g”) requirement for UC/CSU

Description: Advanced Art is a standards based course that builds upon the concepts and skills learned in Beginning and Intermediate Art. Students will continue to develop personal style and create original works of art that demonstrate strong composition and quality of craftsmanship. Students will critique, justify and present choices in the process of analyzing, selecting, curating and presenting artwork for a final portfolio and Day of the Arts Exhibition. May be repeated for credit.

P-3-D Design

Course #1546

Grade Level: 9-12

Length: Year Class

Prerequisite: None

Graduation: Fulfills arts requirement for graduation

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: 3D Design is a sculpture class. Students will build a wide range of sculptures using a variety of different mediums, sculpting techniques, terminology and history of sculpting will be taught.

P-Advanced 3-D Design

Course #1547

Grade Level: 10-12

Length: Year Class

Prerequisite: Successful completion of 3-D Design

Graduation: Fulfills fine arts requirement for graduation

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: This course is designed for the serious art student who wants to continue working, exploring, and obtain exposure to more advanced sculpture mediums. This class is curated to prepare learners for an AP level or college class with an emphasis on exploration of mediums and critical thinking. Advanced level 3-D is where students learn new techniques, but also begin to develop an individual artistic voice.

P-Ceramics I

Course #1831

Grade Level: 10-12

Length: Year Class

Prerequisite: None

Graduation: Fulfills Fine Arts or elective requirement

College Prep: Fulfills 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.

P-Ceramics II

Course #1832

Grade Level: 11-12

Length: Year Class

Prerequisite: Ceramics I

Graduation: Fulfills Fine Arts or elective requirement

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

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

P-Introduction to Art History

Course #1573

Grade Level: 9-12

Length: Year Class

Graduation: Fulfills Fine Arts or elective requirement

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: The introduction to Art History class is designed as an Art Appreciation course for students that are intimidated by the production aspect of the traditional art course. No drawing skills are necessary for success in this class. This program will also attract future AP Art History candidates and other students that enjoy Art. It is a concentrated version of the AP Art History program with a simpler text and more project based learning.

Visual Arts

P- AP Art History

Course #1575

Grade Level: 9-12

Length: Year Class

Prerequisite: None

Graduation: Fulfills Fine Arts requirement - elective credit

College Prep: Fulfills VAPA (“F”) requirement for CSU/ UC

Description: AP Art History requires students to only learn over the sequence of a year 250 images that span a global studies of art history. Students will be expected to understand the form, function, content and context of the images studying the Essential Knowledge, Big Ideas and the Learning Objectives. Subjects discussed will be from Global Prehistory, Europe, Medieval, Japan, China, Islam, Central and South America, the Americas, India, Polynesia, and Global Contemporary, spanning a 20,000 years of artistic history. The course requires writing skills, but will be developed throughout the school year. Skill development throughout the year to take the AP Exam for college credit in May.

P-AP 2-D Art and Design

Course #1578

Grade Level: 10-12

Length: Year Class

Prerequisite: Beginning Art and Instructor Approval.

Intermediate art recommended

Graduation: Fulfills Fine Arts requirement/elective credit

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: Advanced Placement Studio 2D is a course that runs in conjunction with the College Board AP test program. Students in AP 2D Art & Design will develop a body of work, a portfolio, that acts as their test submission. Art produced is student driven based off an inquiry question (S.I.) that learners develop based off their interests, strengths, artistic curiosities. Students will utilize their foundational skills while implementing college level critical thinking and writing to present gallery level work.

P-Design 1

Course #1521N

Grade Level: 9-12

Length: Year Class

Prerequisite: None

Graduation: Fulfills Fine Arts requirement/elective credit

College Prep: Fulfills 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, and poster design.

P-Design 2

Course #1522

Grade Level: 10-12

Length: Year Class

Prerequisite: Design 1 (or teacher recommendation)

Graduation: Fulfills Fine Arts requirement/elective credit

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: This unique course will explore character design through a wide range of methods and media. 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.

P-AP Drawing

Course #1576

Grade Level: 10-12

Length: Year Class

Prerequisite: Art Recommended or Instructor Approval

Graduation: Fulfills Fine Arts requirement/elective credit

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: AP Studio Drawing is a course that runs in conjunction with the College Board AP test program. Students in Studio Art will develop a body of work, a portfolio, that acts as their test submission. Art produced is student driven based off an inquiry question (S.I.) that learners develop based off their interests, strengths, artistic curiosities. Students will utilize their foundational skills while implementing college level critical thinking and writing to present gallery level work.

P-AP 3-D Art and Design

Course #1577

Grade Level: 10-12

Length: Year Class

Prerequisite: Ceramics 1 or 3D Design or Instructor Approval

Graduation: Fulfills Fine Arts requirement/elective credit

College Prep: Fulfills VAPA (“F”) requirement for UC/CSU

Description: Advanced Placement Studio 3D is a course that runs in conjunction with the College Board AP test program. Students in Studio Art will develop a body of work, a portfolio, that acts as their test submission. Art produced is student driven based off an inquiry question (S.I.) that learners develop based off their interests, strengths, artistic curiosities. Students will utilize their foundational skills while implementing college level critical thinking and writing to present gallery level work.

Yearbook

Course #3195

Grade Level: 9-12

Length: Year Class

Prerequisite: Application process ONLY or instructor approval

Graduation: Fulfills Fine Arts requirement

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. Opportunities in photography journalism, computer graphics and graphic design will be provided. The final product is the Liberty High School yearbook.

World Language

P-French 1

Course #3510

Grade Level: 9-11
Length: Year Class
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language Requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: French 1 is a course designed to teach the basics of communication in the French language. Students will learn to comprehend and express themselves at the novice level in speaking, listening, reading, and writing. They will also learn about everyday life in French-speaking countries.

P-French 2

Course #3520

Grade Level: 9-11
Length: Year Class
Prerequisite: French 1
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: French 2 is designed to expand the student’s ability to communicate in French when speaking and writing. Students will expand their understanding of everyday French culture.

P-French 3

Course #3530

Grade Level: 10-12
Length: Year Class
Prerequisite: French 2
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: French 3 is an advanced French course designed to expand the student’s ability to speak and write in French. Students will also read and discuss French short stories and movies, responding primarily in French.

P-French 4

Course #3540

Grade Level: 12
Length: Year Class
Prerequisite: French 3
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: The French 4 course is designed to prepare students to communicate efficiently in French using the three modes of communication (Interpersonal, Interpretive and Presentational) defined in the Standards for Foreign Language Learning in the 21st Century. Students will have the opportunity to demonstrate their proficiency in each of these three modes on the intermediate range. A variety of authentic audio, visual, audio-visual, written and printed resources will further the students’ abilities to enhance their understanding of the francophone cultures studied, make connections between topics, and compare their native languages and cultures with the French language and culture.

P-Spanish 1

Course #3610

Grade Level: 9-11
Length: Year Class
Prerequisite: None
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: Spanish 1 is a college-prep course designed to teach the basics of communication in the Spanish language. Students will learn to comprehend and express themselves at the novice level in speaking, listening, reading, and writing. Students will also learn about everyday life in Spanish speaking countries.

P-Spanish 2

Course #3620

Grade Level: 9-12
Length: Year Class
Prerequisite: Spanish 1, or Spanish 1 in 8th grade.
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: Spanish 2 is designed to continue the development of language skills in all four areas of communication: speaking, listening, reading, and writing. Students will also expand their understanding of Hispanic culture. Students will use language and cross-cultural communication skills effectively. A grade of C or better in Spanish 1 will assure greater success in this class.

P-Spanish 3

Course #3630

Grade Level: 11-12
Length: Year Class
Prerequisite: Spanish 2 or recommendation of instructor.
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement.
Description: Spanish 3 is an advanced course designed to expand the student’s ability to communicate in oral and written form at the Intermediate level in Spanish. Students will expand their ability to comprehend spoken and written language as well as understanding of different aspects of Hispanic culture. A grade of C or better in previous Spanish class will assure greater success in this class.

World Language

P-Spanish 4

Course #3640

Level: 11-12
Length: Year (10 credits)
Prerequisite: Spanish 3 or Spanish for Spanish Speakers II or instructor approval
Graduation: Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: Spanish 4 is an advanced course designed to expand and refine the student’s ability to communicate in oral and written form at the high intermediate/early advanced level in Spanish. Students will expand and refine their ability to comprehend spoken and written language as well as understanding of different aspects of Hispanic culture. A grade of C or better in previous Spanish class will assure greater success in this class.

P-AP Spanish: Language and Culture

Course #3642

Grade Level: 11-12
Length: Year Class
Prerequisite: Spanish 3 or 4
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: AP Spanish: Language and Culture 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, reading and discussing Spanish literature and reviewing grammar and verb forms. Students will use Spanish as the language of communication in the class. **This class will prepare students to take the AP exam in May.*

P-AP Spanish: Literature and Culture

Course #3645

Grade Level: 11-12
Length: Year Class
Prerequisite: Spanish 3 or 4
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Description: AP Spanish: Literature and Culture 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, reading and discussing Spanish literature and reviewing grammar and verb forms. Students will use Spanish as the language of communication in the class. **This class will prepare students to take the AP exam in May.*

P-Spanish for Native Speakers I

Course #3670

Grade Level: 9-12
Length: Year Class
Prerequisite: Native/Fluent Spanish Speaker
Graduation: Fulfills Fine Arts/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Pathway: SSS1 to SSS2 to SSS3 to SP4 to AP
Description: Spanish for Native Speakers I is a course designed for students who are fluent speakers in basic 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. Students will also be expected to learn how to read and analyze simple literature.

P-Spanish for Native Speakers II

Course #3676

Grade Level: 9-12
Length: Year Class
Prerequisite: Spanish for Native Speakers I
Graduation: Fulfills Fine Art/World Language requirement
College Prep: Fulfills one year of UC/CSU World Language (“e”) requirement
Pathway: SSS1 to SSS2 to SP4 to AP
Description: Spanish for Native Speakers II is a course designed for students who 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.

Non-Departmental

AFJROTC1

Course #7201

Grade Level: 9-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credits (can count as PE credits if instructor has a PE credential)
Description: This course 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. ***THIS COURSE IS TAUGHT AT HERITAGE HIGH SCHOOL and requires two class periods at Heritage – TRANSPORTATION IS NOT PROVIDED.***

AFJROTC 2: The Science of Flight

Course #7202

Grade Level: 9-12
Length: Year Class
Prerequisite: JROTC 1
Graduation: 10 elective credits (can count as PE credits if instructor has a PE credential)
Description: This 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. ***THIS COURSE IS TAUGHT AT HERITAGE HIGH SCHOOL and requires two class periods at Heritage – TRANSPORTATION IS NOT PROVIDED***

AFJROTC 2: Cultural Studies

Course #7203

Grade Level: 9-12
Length: Year Class
Prerequisite: JROTC 1
Graduation: 10 elective credits (can count as PE credits if instructor has a PE credential)
Description: This is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment and assessments to guide in the reinforcement of the materials. ***THIS COURSE IS TAUGHT AT HERITAGE HIGH SCHOOL and requires two class periods at Heritage – TRANSPORTATION IS NOT PROVIDED.***

AFJROTC3: Exploring Space

Course #7204

Grade Level: 10-12
Length: Year Class
Prerequisite: AFJROTC 1
Graduation: Fulfills elective credits
Description: In this science course, students will learn about space science and exploration. Topics include the history on astronomy, study of the earth and the moon, the sun and our solar system, deep space and exploring/working in space, the space shuttle, space stations, orbits and trajectories, and many more topics. In the leadership portion of the course, students will learn how to manage their resources, charting their financial course, career opportunities, aiming toward a college degree and applying for jobs. ***THIS COURSE IS TAUGHT AT HERITAGE HIGH SCHOOL – TRANSPORTATION IS NOT PROVIDED.***

Tutorial Support

Course #6820

Grade Level: 9-12
Length: One Year
Graduation: Fulfills elective credits
Description: This class provides a structured environment where students receive instruction in organizational and learning strategies, assistance with academic instruction, and study skills. The course is designed to help students succeed in their required academic courses by providing additional instructional time, homework time, and strategies for learning.

Driver's Education/Decision Making

Course #2830

Grade Level: 9-12
Length: Semester Class (5 credits max.)
Prerequisite: Students must turn 15 by August 1, 2018:
Graduation: Fulfills elective credits
Description: Students study the vehicle code and safe driving practices to prepare for the state's written exam. Decision Making: The second part of each semester, students explore career pathways and decisions that will lead to a successful career. Students also learn how to use the Career Center

Foundations for Success I

Course #7457

Grade Level: 9-10
Prerequisite: None
Length: Semester Class
Graduation: Fulfills elective credits
Description: Foundations for Success investigates a wide range of elements of success in high school and beyond. Students read/learn about/discuss and do activities to help with adjustment to the adult world and begin looking into their futures to include high school. Students learn time management skills, self-motivation, SMART goals, vocabulary needed to understand their future options around college and career, take personality inventories, briefly investigate 16 major career pathways and the reality of many careers. Students also learn job interview skills and the basics of getting and keeping a job.

Non-Departmental

Health

Course #2700

Grade Level: 9-12 (Grade 9 recommended)
Length: Semester Class
Prerequisite: None
Graduation: Fulfills Health requirement
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.

Lion's Crew

Course #7482

Grade Level: 10-12
Length: Year Class
Prerequisite: By application process only
Graduation: Fulfills elective credits - 10 credits; may be repeated for credit up to a maximum of 20 credits
Description: Lion's Crew is a student-centered leadership and mentoring class. This class engages, develops and trains students to be leaders and mentors. Lion's Crew is about facilitating a smooth transition both socially and academically for all freshmen throughout the year. Lion's 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.

College & Career Research & Planning

Course #7445

Grade Level: 10-12
Length: Year Class
Prerequisite: None
Graduation: Fulfills elective credits
Description: This course is designed to empower students by gaining knowledge about the real world and their future options. It will offer information in areas such as the value of education, real world cost of living, research on education and earnings, all types of post-secondary education through reading and guest speakers. They will learn about employability skills for 21st century, job markets, majors, military options, scholarships and student loans. They will also learn about job hunting skills including resume and cover letter writing, and job interviews. They will learn about success strategies and intrinsic motivation. Life success skills will be covered to include, self-motivation, time management, SMART goal setting and organization techniques. Through this course they will also gain understanding and control of their learning to enhance their transition into the adult world and the workplace. Core Curriculum consists of 7 basic units, all done while simultaneously teaching students HOW to learn, HOW to be powerful thinkers, HOW to better communicate, HOW to research, HOW to read insightfully and efficiently.

PUSH (Preparing University Skills in HS)

Course #7371/7372/7373/7374

Grade Level: 9-12
Length: One-to four years
Prerequisite: Counselor recommendation, qualifying data, and/or interview application process
Graduation: Fulfills elective credits
College Prep: Fulfills UC/CSU elective ("g") requirement in senior year
Description: Students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and critical reading to support their growth academically. PUSH is designed to improve oral communication skills through a variety of activities including presentation and Socratic Seminar. Students prepare for college entrance examinations, including the SAT I, SAT II, and the ACT. Students will complete and present a Multi-Grade Level Portfolio of their work in PUSH (including, but not limited to, grade level writing curriculum, four-year plan, timed writings with rubrics, analytical essays with rubrics, notes taken in content areas, and semester reflections).

Student Leadership

Course #7480

Grade Level: 9-12
Length: Year Class
Prerequisite: By application process only - Students are selected through a recommendation and screening process
Graduation: Fulfills elective credits
Description: Students learn the skills to become inspiring leaders: effective communication skills, team-building, running effective meetings, conflict resolution, negotiations, overcoming obstacles, creative problem-solving, creating a vision, setting goals, interacting with the community and creating charity events. Students orchestrate and carry out school wide events and activities and contribute to the building of our community.

Intro to Student Government & Leadership Course #7488

Grade Level: 9
Length: Semester Class
Prerequisite: Grade 9 only
Graduation: Fulfills elective credits
Description: This course 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.

Study Hall**Course #7680***Grade Level:* 9-12*Length:* Semester Class

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, pencils, paper, calculators, etc. The goal of study hall is to provide an environment that encourages learning and study skills. The expectation is for all freshmen to take a study hall period to ensure academic success.



LIBERTY HIGH SCHOOL

Liberty Union High School District

Graduation Requirements

that must be met to earn a high school diploma in the
Liberty Union High School District

“a-g” Subject Requirements

for admission to a:

California State University (CSU)

University of California (UC)



REQUIRED



RECOMMENDED

SOCIAL SCIENCE 30 credits = 3 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ENGLISH 40 credits = 4 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MATHEMATICS 30 credits = 3 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SCIENCE 20 credits = 2 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VISUAL/PERFORMING ARTS OR WORLD LANGUAGE 10 credits = 1 year	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ELECTIVES 115 credits minimum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PHYSICAL EDUCATION 20 credits = 2 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HEALTH 5 credits = 1 semester	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMPLETION OF 270 CREDITS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a. HISTORY 1 year U.S. History/ Government 1 year World History (Non-U.S. History)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. ENGLISH 4 years College Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. MATHEMATICS Algebra I, Geometry, Algebra II 4 years recommended	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. SCIENCE 2 years with laboratory 3 years recommended	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. WORLD LANGUAGE 2 years in the same language 3 years recommended	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. VISUAL/PERFORMING ARTS 1 year long course in the same subject	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. ELECTIVE 1 year of an academic elective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>