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# LIBERTY HIGH SCHOOL

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## Course Catalog 2017-2018

Patrick Walsh, Principal  
<http://libertyunion.schoolwires.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,

*Dr. M. Wall*



# Introduction

**Eric Volta, *District Superintendent***

**Patrick Walsh, *Principal***

**Stefanie Limperis, *Principal's Secretary***

## Den 1

**Veronica Polk, *Assistant Principal***

**Jennifer Bigler, *Counselor***

**Lynn Martinez, *Secretary***

**Husani Whitlock, *Targeted Assistance Counselor***

## Den 2

**Sandra Guardado, *Assistant Principal***

**Irene Magaña, *Counselor***

**Kathy Agudo, *Secretary***

## Den 3

**Kevin Morris, *Assistant Principal***

**Kyle Anderson, *Counselor***

**Kellie Callahan, *Secretary***

## Den 4

**Michael Burstein, *Assistant Principal***

**Shannon Abono, *Counselor***

**Jeni Groseclose, *Secretary***

<b>Athletics</b> <b>Curtis Cunningham, <i>Athletic Director</i></b>	<b>Student Leadership</b> <b>Summer Rodriguez, <i>Student Activities Director</i></b>
<b>Career Center</b> <b>Jame Ehret, <i>Donecia Norwood-Smith</i></b>	<b>Registration</b> <b>Debbi Weil</b>

## 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.

### 21<sup>st</sup> 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 work place.
- 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 courses that can help you explore possible future career options  
**Parent Approval:** talk with parents 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. Please note that 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 (see page 9). A recent College Board study disclosed that the more high school academic work students complete, the greater their standardized test performance such as on the SAT or ACT.
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 (page 1) which will guide you in fulfilling the subject and credit requirements. Use the four year plan worksheet (page 8) **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 (page 9) 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 21<sup>st</sup> century. Making thoughtful choices now will better prepare you for future careers.

## The Homework Center at Home: Tips for Parents

When designing a home environment appropriate to your student's learning style, consider the following:

1. Identify the physical space where studying and quiet reading can occur.
2. Secure the resources (e.g. paper, pens, dictionary, etc.) that your student will need.
3. Establish a routine time for homework and balance that with a routine time for play.
4. Promote effective time management skills (cover all subjects and long-range projects).
5. Encourage activities that require reasoning, computation, and problem-solving skills.
6. Encourage activities that require building things, fixing things, cooking, etc.
7. Monitor television and computer use and encourage viewing that is educational.
8. Two books some parents have said helped in raising adolescent children:

Raising Self Reliant Children in a Self-Indulgent World Authors: Nelson and Glenn

What Kids Need to Succeed: Proven Practical Ways to Raise Good Kids Authors: Benson, et al.

## COURSE CHANGES

**It is crucial that serious consideration be given to each of the courses a student selects as student-requested course changes will not be considered in the fall.** Students and parents should consider the expectations of each class requested, especially Advanced Placement (AP) courses, in terms of level of interest, student time and other commitments such as athletics, work, or other out of school activities. The completion of the COURSE REQUEST FORM, when signed by student and parent or guardian, constitutes a contract between student, parent or guardian, and 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 ONLY!**

### POLICY FOR DROPPING A CLASS

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

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

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

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

- |        |   |
|--------|---|
| First  | Student/Teacher Conference  |
| Second | Parent/Teacher Conference   |
| Third  | Assistant Principal/Student/Teacher Conference<br>Assistant Principal/Student/Parent/Teacher Conference<br>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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\*Pending UC/CSU “a-g” approval

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# Graduation Requirements

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

<b>Course Requirements (10 Credits = 1 year)</b>		
<b>Course</b>		<b>Credits</b>
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 (Biology/Sustainable Ag Biology) b. One year of Physical Science (Earth Science/Agriculture Earth Science, Chemistry, Chemistry in the Community/Agriculture & Soil Chemistry or Physics)	20
Fine Arts <u>or</u> 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

**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<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> grade English

**c. Mathematics:** (3 years required; 4 recommended)  
1 year Algebra 1, 1 year Geometry,  
1 year Algebra 2, Statistics or Pre-Calculus

**d. Lab Science:** (2 years required; 3 recommended)  
1 year Biological Science/Sustainable Ag Biology, 1  
year Chemistry/Agriculture Soil & Chemistry or  
Physics

**e. Language:** (2 years required; 3 recommended)  
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

**g. Electives:** (1 year required)  
1 year of an elective listed on the “a-g” course list.

## 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

**b. English:** (4 years required)  
1 year each of 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> grade English

**c. Mathematics:** (3 years required; 4 recommended)  
1 year Algebra 1, 1 year Geometry, 1 year Algebra 2

**d. Lab Science:** (2 years required)  
1 year Biological Science/Sustainable Ag Biology, 1  
year Chemistry/Agriculture Soil & Chemistry or  
Physics

**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

**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

**a. History/Social Science:** (2 years required)

World Cultures and Geography	U.S. History or American Studies
World History	AP US History
AP World History	American Government
AP European History	AP American Government
AP Human Geography	

**b. English:** (4 years required).

English 1	AP Language and Composition
English 2	AP Literature and Composition
English 3 or American Studies	Expository Reading and Writing Course
English 4	
English Language Development 3	

**c. Mathematics:** (3 years required; 4 recommended).

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

**d. Lab Science:** (2 years required; 3 recommended).

Biology	Physics
AP Biology	AP Physics 1
CDE Agricultural Biology	Anatomy and Physiology
Chemistry	AP ROP Environmental Science
Chemistry in the Community	
AP Chemistry	
Agriculture & Soil Chemistry	

**e. Language:** (2 years required; 3 recommended).

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

**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, 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, Women’s Choir, Women’s Ensemble

**g. Electives:** (1 year required) Accounting, Agriscience, Animal Science, Agribusiness & Economics, Ag Earth Science, Sustainable Ag Biology, Ag & Soil Chemistry, ROP Analytical Forensic Science, AP Economics, AP Psychology, Business Economics, Child Development, Companion Animal Care, Earth Science, Economics, AP ROP Environmental Science, Foods 1, Advanced Foods: International Cuisine, Advanced Foods: Baking/Pastry, History of American Pop Music, Journalism, Literary Analysis through Film, Psychology within Society, ROP Sports Medicine, Virtual Enterprise

◆ 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).

# 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 4<sup>th</sup> 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 15<sup>th</sup> 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 Cheerleading Coed Unified Soccer	Girls Basketball Girls Soccer Wrestling Boys Soccer Boys Basketball Cheerleading Coed Unified Bowling	Softball Baseball Boys Golf Boys Tennis Boys Volleyball Swimming Diving Track & Field 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 1<sup>st</sup> 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 1  
English 2 (PADA and TLC)  
English 3 (TLC)  
English 4 (PADA and TLC)  
Expository Reading and Writing (ERWC)

### Social Science:

American Government (PADA and TLC)  
American Studies (US History)  
Economics (PADA and TLC)  
AP European History  
AP Human Geography  
Psychology within Society  
AP Psychology  
US History (TLC)  
AP US History  
World Cultures/Geography  
World History (PADA and TLC)  
AP World History

### Mathematics:

Algebra 1  
Algebra 1 10-12  
Algebra 2  
Calculus  
AP Calculus  
AP Calculus BC  
Geometry  
Intensified Algebra  
Pre-Calculus  
Statistics  
AP Statistics  
Applied Career Math

### Natural/Physical Science:

Agriculture & Soil Chemistry  
Anatomy & Physiology Academy  
Biology  
AP Biology  
Chemistry in the Community (TLC)  
Chemistry  
AP Chemistry  
Earth Science  
Physics  
AP Physics 1  
ROP Analytical Forensic Science  
AP ROP Environmental Science  
Sustainable Agriculture Biology

### 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
<b>9</b>  (70 cr)	English 1	English 1			Post High School Goals:
	Math				
	Earth Science or Biology				Supporting Activities: (9-12)
	Physical Education	PE9			
	Health				Explore <a href="http://cacareerzone.org">cacareerzone.org</a>
	Elective				
	Elective				Spring: PSAT
	Elective				
	Elective				
Summer School					Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/Future Goals Checklist
<b>10</b>  (140 cr)	English 2	English 2			Post High School Goals:
	Math				
	World History	World History/AP			Make Appt. with Career Center
	Science				
	Physical Education	PE10			PSAT/PLAN/Kaplan Mock Test
	World Lang/Fine Art				<a href="http://csumentor.edu">csumentor.edu</a>
	Elective				
	Elective				
	Elective				
Summer School					Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/Future Goals Checklist
<b>11</b>  (210 cr)	English 3	English 3/AP			Post High School Goals:
	Math				
	US History	US History/AP			Make Appt. with Career Center
	Science/Elective				Fall: PSAT
	Elective				Spring: ACT
	Elective				SAT Reasoning
	Elective				SAT II Subject Test
	Elective				
	Elective				
Summer School					Total Credits to Date:
Grade	Required Courses	Student Courses	Grades	Credits	Graduation/Future Goals Checklist
<b>12</b>  (270 cr)	English 4	English 4/ERWC/AP			Post High School Goals:
	American Govt/Econ	Govt/Econ/AP			
	Math/Elective				College Bound:
	Science/Elective				Fall: ACT
	Elective				SAT Reasoning
	Elective				SAT II Subject Test
	Elective				
	Elective				
Summer School					Community Service: 20 hours
					Total Credits to Date:



# College Preparation

## MAXIMIZING STUDENT ACHIEVEMENT FOR COLLEGE PREPARATION

### Example: Student 1: Eligible

“a-g”	Subject Category	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
a	History		World History	US History	American Government
b	English	English 1	English 2	English 3	English 4
c	Mathematics	Algebra 1	Geometry	Algebra 2	
d	Lab Science		Biology/Sustainable Ag Biology	Chemistry/Ag & Soil Chemistry	
e	Language other than English		Spanish 1	Spanish 2	
f	Visual & Performing Arts		Symphonic Band		
g	College Prep Electives	Earth Science/Ag Earth Science			Economics

### Example: Student 2: Competitive

“a-g”	Subject Category	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
a	History	AP Human Geography	AP World History	AP US History	AP American Government
b	English	English 1	English 2	AP English 3	AP English 4
c	Mathematics	Algebra 1	Geometry	Algebra 2	Pre-Calculus or Statistics
d	Lab Science		Biology/Sustainable Ag Biology	Chemistry/Ag & Soil Chemistry	Anatomy/Physiology or AP Physics 1
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)

# Course Selection Worksheet


Last Name \_\_\_\_\_ First Name \_\_\_\_\_ 2017-2018 Grade \_\_\_\_\_

**Directions:** Please select the appropriate required core and elective courses. Write in the correct course number and title. Please *DO NOT* sign up for Leadership, Link Crew, or Yearbook. You may use the adjoining course list to help you. **Please use the information on this form to assist you when completing the online course selection at <https://parents.luhsd.net/>.** The information you provide will be used to help create your course requests for next year.

	COURSE #	COURSE NAME	COMPETITIVE
1.		<b>English – UC Area “b” 4 Years required</b> English 1 = 3000 (Grade 9) English 2 = 3020 (Grade 10) English 3 = 3070 (Grade 11) English 4 = 3110 (Grade 12)	P-AP English 3: Lang & Comp = 3085 P-AP English 4: Lit & Comp = 3120 ERWC = 3125 (Grade 12)
2.		<b>Math – UC Area “c” 3+ years required (4 years strongly recommended)</b> Algebra 1 = 4630 Geometry = 4670 Algebra 2 = 4690	AP Calculus A/B = 4720 AP Calculus B/C = 4725 AP Statistics = 4750 Pre-Calculus = 4710 Statistics = 4740
3.		<b>Science – UC Area “d” 2+ years required lab science (3 years strongly recommended)</b> Biology = 5050 or Sustainable Ag Biology = 1025 Chemistry = 5135 or Ag & Soil Chemistry = 1026 Chemistry in the Community = 5150	AP Biology = 5010 AP Chemistry = 5160 AP Physics = 5185
4.		<b>History – UC Area “a” 2 years required</b> World History = 5240 (Grade 10) US History = 5280 (Grade 11) American Government = 5330 (Grade 12) Economics = 5335 (Grade 12)	AP World History = 5270 AP US History = 5290 AP Government = 5295 AP Economics = 5365
5.		<b>Physical Education or Elective – 2 years required</b> PE Core – Grade 9 = 5750 PE Core – Grade 10 = 5760	
6.		<b>Elective/World Language – UC “e” 2+ years required (3 years strongly recommended)</b>	
7.		<b>Elective/Fine Arts Class – UC “f” 1 year required</b>	
8.		<b>Elective – UC “g” 1 year required</b>	
9.		<b>Elective (alternate)</b>	
10.		<b>Elective (alternate)</b>	

**If you would like to participate (or currently participate) in an academy or pathway, please check your academy:**

Academy Choice:	HC Health Careers Pathway (page 14-15)
	PADA Public Space & Design Gr 10; Gr 11 PADA Core; Gr 12 PADA Internship (page 16-17)
	TLC Teaching & Learning Gr 10 TLC Child Dev; Gr 11 TLC Core; Gr 12 TLC Internship (page 18-19)
	VE Virtual Enterprise Academy Gr 10 College & Career Readiness; Gr 11 Bus Econ (page 20)
Career and CTE Pathways	Agriculture & Natural Resources Alternative Pathway (page 21-22)
	Applied Technology CTE Pathway (page 23)
	Building Trades & Construction CTE Pathway (page 24)
	Business & Finance CTE Pathway (page 25)
	Hospitality, Tourism & Recreation CTE Pathway (page 26)
	Information & Communication Technology CTE Pathway (page 27)
Transportation CTE Pathway (page 28)	

- ➔ **NEXT STEPS:**
1. Go online to <https://parents.luhsd.net/> to log in and request your classes.
  2. Select “Student Info” and then select “Course Request Entry”
  3. Classes have been preloaded for you based on the grade level.
  4. To add a class, type in the course number in the “Name or Nmbr” box
  5. To delete a class, click the  button
  6. Add Alternate choices by clicking on “Add Alternates”

7777H HEALTH CAREERS (HC)		ENGLISH		SOCIAL STUDIES	
1065	Health Care System (10)	3000	P-English 1 (9)	5255	P-World Cultures (9)
1060	Health Careers Core (11-12)	3020	P-English 2 (10)	5260	P-AP Human Geography (9-12)
5582	P-ROP Sports Medicine (11-12)	3070	P-English 3 (11)	5240	P-World History (10)
5589	Advanced Sports Medicine (11-12)	3085	P-AP English 3: Language & Composition (11)	5270	P-AP World History (10-12)
1214	ROP Hospital Health Services (12)	3120	P-AP English 4: Literature & Composition (12)	5280	P-US History (11)
		3125	P-ERWC: Expository Reading & Writing (12)	5290	P-AP US History (11-12)
7777A	<b>PUBLIC ART &amp; DESIGN (PADA)</b>	3110	P-English 4 (12)	5330/5335	P-American Govt/Econ (12)
1523	P-Public Space & Design (10)	3190	P-Journalism (10-12)	5295/5365	P-AP American Govt/Econ (12)
1302	P-PADA Core (11)	3184	P-Literary Analysis through Film (10-12)	5396	P-Psychology within Society (10-12)
1305	Academy Internship (12)	3270	English Fundamentals (9)	5397	P-AP Psychology (11-12)
4642	Da Vinci Algebra 1 (9)			5398	P-Sociology and Disorders (10-12)
1542	Da Vinci Beginning Art (9)		<b>MATH</b>	5380	P-AP European History (10-12)
1438	P-English 3/American Studies (11)	4630	P-Algebra I (9)	5292	P-History of American Pop Music (11-12)
1439	P-US History/American Studies (11)	4642	Da Vinci Algebra 1 (9)	5275	P-History of World War II (11-12)
		4575	P-Intensified Algebra I (9)		
7777T	<b>TEACHING &amp; LEARNING CAREERS (TLC)</b>	4640	P-Algebra I (10-12)		<b>VISUAL ARTS</b>
1710	P- Child Development TLC (10)	4670	P- Geometry (9-12)	1506	P-Beginning Art (9-12)
1690	TLC Core (11)	4501	Geometry Support (10-12)	1516	P-Intermediate Art (10-12)
1615	Academy Internship (12)	4690	P-Algebra 2 (9-12)	1520	P-Advanced Art (10-12)
		4510	Algebra 2 Support (10-12)	1546	P-3D Design (9-12)
7777B	<b>VIRTUAL ENTERPRISE (VE)</b>	4710	P-Pre-Calculus (10-12)	1547	P-Advanced 3D Design (10-12)
7445	College and Career Readiness* (10-12)	4720	P-AP Calculus A/B (11-12)	1570	P-Advanced Painting/Drawing (10-12)
2275	P-Business Economics (11-12)	4725	P-AP Calculus B/C (11-12)	1575	P-AP Art History (9-12)
2310	P-Virtual Enterprise (10-12)	4740	P-Statistics (11-12)	1578	P-AP Studio Art:2D Design (10-12)
		4750	P-AP Statistics (11-12)	1576	P-AP Studio Art Drawing (10-12)
(CTE)	<b>AGRICULTURE (Alternative Pathway)</b>	4605	Applied Career Mathematics (11-12)	1577	P-AP Studio Art:3D Design (10-12)
1010	P-Agriscience (9-12)			1831	P-Ceramics I (10-12)
0063	Ag-Earth Science (9-12)		<b>PERFORMING ARTS</b>	1832	P-Ceramics II (11-12)
1025	P-Sustainable Agriculture Biology (9-12)	6000	P-Introduction to Dance Arts (9-12)	1565	A Survey in Modern Art (11-12)
1027	P-Agribusiness & Economics (10-12)	6003	P-Intermediate Dance Arts (9-12)		
1026	P-Agriculture & Soil Chemistry (10-12)	6006	P-Advanced Dance Arts (9-12)		<b>WORLD LANGUAGE</b>
1028	P-The Art and History of Floral Design (10-12)	6104	P- Theatre Arts I (9-12)	3510	P-French 1 (9-12)
5088	Veterinary Science (11-12)	6166	P- Theatre Arts II (9-12)	3520	P-French 2 (9-12)
		6176	P- Theatre Arts III (10-12)	3530	P-French 3 (10-12)
		6190	P-Acting & Directing Workshop (10-12)	3540	P-French 4 (10-12)
(CTE)	<b>APPLIED TECHNOLOGY</b>	6130	Theatre Production/ Stagecraft I (9-12)	3610	P-Spanish 1 (9-12)
4055	Introduction to Broadcasting (9-12)	6136	Theatre Production/ Stagecraft II (10-12)	3620	P-Spanish 2 (9-12)
4115	P-ROP Multimedia (11-12)	6012	Concert Band # (9-12)	3630	P-Spanish 3 (10-12)
4090	ROP TV/Video Production (11-12)	6020	P-Symphonic Band # (9-12)	3640	P-Spanish 4 (10-12)
6183	P-ROP Art of Video Production (11-12)	6040	March Band Aux ½ # (9-12) Sem	3642	P-AP Spanish: Lang and Cult (11-12)
		6026	P-Jazz Band 1 # (9-12)	3645	P-AP Spanish: Lit and Cult (11-12)
(CTE)	<b>BUILDING &amp; TRADES</b>	6028	P-Jazz Band 2 # (9-12)	3670	P- Sp for Native Speakers I (9-12)
4060	Home Improvement (9-12)	6036	P-Orchestra # (9-12)	3676	P- Sp for Native Speakers II (9-12)
4180	Introduction to Woodworking ½ (9-12) Sem	6099	P-Concert Choir # (9-12)		
4150	ROP Construction Technology (11-12)	6086	P-Women's Choir # (9-12)		<b>NON-DEPARTMENTAL</b>
		6092	P-A'Capella Choir ** # (9-12)	2516	P-Child Development
(CTE)	<b>BUSINESS &amp; FINANCE</b>	6100	P-Select Singers ** # (9-12)	5660	Athletics Management (10-12)
2301	Computer Applications I ½ (9-12) Sem	6142	P-Women's Ensemble ** # (10-12)	7457	Foundations for Success ½ Sem
2302	Computer Applications II ½ (9-12) Sem	6068	P-AP Music Theory (10-12)	2830	Driver Education/Decision Mkg ½ Sem
2596	Personal Finance ½ (9-12) Sem			7445	P-College & Career Res & Planning (10-12)
2011	P-Accounting (11-12)		<b>PHYSICAL EDUCATION</b>	6007	Yoga ½ (10-12) Sem
2275	P-Business Economics (11-12)	5750	9 <sup>th</sup> Grade Core PE (9)	7680	Study Hall-Year long (9-12)
		5760	10 <sup>th</sup> Grade Core PE (10)	7685	Study Hall-Semester Long (9-12)
(CTE)	<b>HOSPITALITY, TOURISM &amp; RECREATION</b>	5662	Advanced Athletic Skills ½ (10-12) Sem	7689	Study Hall-Semester 2 (9-12)
2540	P-Foods 1 (9-12)	5670	Bowling Fundamentals ½ (11-12) Sem	7201	AFJROTC 1 (9-12)
2541	P-Foods: Advanced International Cuisine (10-12)	5794	Sculpt and Tone ½ (10-12) Sem	7202	AFJROTC 2: The Science of Flight (9-12)
2542	P-Foods: Advanced Baking and Cooking (10-12)	5792	Strength & Fitness ½ (10-12) Sem	7203	AFJROTC 2: Cultural Studies (9-12)
		5790	Team Sports ½ (10-12) Sem	7204	AFJROTC3: Exploring Space (10-12)
(CTE)	<b>INFORMATION &amp; COMMUNICATION TECHNOLOGY</b>	5676	Walking for Fitness ½ (10-12) Sem	4746	P-AP Computer Science Principles (9-12)
2301	Computer Applications I ½ (9-12) Sem	5674	Basketball Techniques & Tactics ½ (10-12)Sem	2700	Health (9-12)
2302	Computer Applications II ½ (9-12) Sem				
4746	P-AP Computer Science Principles (9-12)		<b>LIFE SCIENCES</b>	8010	Staff Assistant (11-12)
4077	P-Exploring Computer Science (9-12)	5050	P-Biology-Lab (9-12)	8050	Staff Assistant Sem (11-12)
2325	Computer Science (Java) (9-12)	5010	P-AP Biology-Lab (10-12)		
		5060	P-Anatomy & Physiology-Lab (11-12)	7690	Unscheduled a.m. (11-12)
(CTE)	<b>TRANSPORTATION</b>			7695	Unscheduled p.m. (11-12)
4005	Small Gas Engines ½ (9-12) Sem		<b>PHYSICAL SCIENCE</b>	7694	Unscheduled Semester 1 (11-12)
4000	Introduction to Autos (10-12)	5115	P-Earth Science (9)	7696	Unscheduled Semester 2 (11-12)
4010	ROP Auto Technology (11-12)	5135	P-Chemistry-Lab (10-12)		
		5150	P-Chemistry in the Community-Lab (10-12)		
	<b>ELD ENGLISH</b>	5160	P-AP Chemistry-Lab (11-12)		
3165	English Language Dev 1 (9-12)	5180	P-Physics-Lab (10-12)		
3166	English Language Dev 2 (9-12)	5185	P-AP Physics-Lab (10-12)		
3162	P- English Language Dev 3 (9-12)	5091	P-AP ROP Environmental Science-Lab (11-12)		
3000S	P-English 1S (9-12)	5193	P-ROP Analytical Forensic Science (11-12)		

# 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](http://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

Instructional Support Staff from the Special Education Department meet with personnel and parents to cooperatively decide appropriate high school class placements for students receiving special education services. Each student is evaluated and placements are based on the students' specific needs. All placements must have prior approval of the IEP team and an Individual Education Plan must be written before students can be placed in the classes.

The Excel program provides services to students with special needs working toward earning a high school diploma through the instructional support model. Students in this program receive their core instruction in the general education class setting. Supplementary supports and services are provided within the regular class or within a special education setting.

The Lifeskills program provides a functional academic curriculum to students with severe disabilities. Students receive the majority of their instruction within a special education environment, with opportunities to participate in general education classes as appropriate. Upon completion of the program, students are awarded a Certificate of Completion.

## 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 Human Geography
P-AP Art History	P-AP Music Theory
P-AP Biology	P-AP Physics 1
P-AP Calculus A/B	P-AP Psychology
P-AP Calculus B/C	P-AP Spanish Language Culture
P-AP Chemistry	P-AP Spanish Literature Culutre
P-AP Computer Science Principles	P-AP Statistics
P-AP Econ: Macroeconomics	P-AP Studio Draw
P-AP English Language Composition	P-AP Studio-2D
P-AP English Literature Composition	P-AP Studio-3D
P-AP ROP Environmental Science	P-AP U.S. History
P-AP European History	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.*

# Academy, Career and Technical Education (CTE) Pathways

## Academy Program

There are currently four 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 four academies: Virtual Enterprise; 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	Virtual Enterprise Academy
Jennifer Heinz Coordinator	Alisha Douglass Coordinator	Kandy Aldana and Karen Cailotto Coordinators	Beth Decker 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 25 credits with a C or better in one of the following pathways (one must be a *Capstone* course) to earn a sash 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	Gina Cunningham
Applied Technology CTE Pathway	Frank Pappas
Building Trades & Construction CTE Pathway	Jonathan English
Business & Finance CTE Pathway	Karen Ghannadan
Hospitality, Tourism & Recreation CTE Pathway	Karen Ghannadan
Information & Communication Technology CTE Pathway	Karen Ghannadan
Transportation CTE Pathway	Jonathan Dorr

# 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
Earth Science	Biology	Science	Science
PE	History	History	History
Suggested elective- Computer Applications 1/2	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 <sup>th</sup> )	Beginning Foods and Nutrition
AP Calculus	Physics	Psychology in Society	Agriscience
Statistics	AP Physics	AP Psychology	Agribusiness & Economics
	Chemistry		World Language
	AP Chemistry		Computer Applications 1/2
	Chemistry in the Community		ROP Sports Medicine
			LMC BIOSC 55 Nutrition
			LMC RN Nursing Seminar
			LMC AHLTH 09 Intro to Emergency Medical Care

# 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 21<sup>st</sup> century health care.

## Health Careers Core

Course #1060

*Grade Level:* 11-12  
*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.

## P-ROP Sports Medicine

Course #5582

*Grade Level:* 11-12 or age 16  
*Length:* Year Class  
*Prerequisite:* None  
*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:* 11-12  
*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 will complete an internship with the City of Brentwood to design, develop, create and install a permanent public art piece. Past projects include:

- Sand Creek Tunnel located by the Dog Park (2012),
- Electrical boxes in downtown Brentwood (2013),
- Mosaic mural at the corner of Second Street and Brentwood Blvd. (2014)
- Marsh Creek Bike Tunnel (2015)
- Mosaic sculptures at Sunset Athletic Park Complex (2016)
- Mosaic mural at Oak Meadow Park (2017)

For additional information regarding PADA visit [lhspada.weebly.com](http://lhspada.weebly.com) 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 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Art Electives
Elective	<b>PADA World History</b> (AP World History available with permission)	<b>PADA American Studies</b> (US Hist.)	<b>PADA Am.Gov/Econ</b>	Beginning Art Intermediate Art Advanced Art Adv. Painting & Drawing 3D Design Advanced 3D Design Ceramics I Ceramics II AP Art History AP Studio Art 2D AP Studio Art 3D AP Studio Art Drawing Yearbook/Graphic Art
English 1	<b>PADA English 2</b>	<b>PADA American Studies</b> (Eng. 3)	<b>PADA AP English 4</b>	
Science Elective	<b>PADA Biology</b> (life science)	<b>PADA Chemistry</b> (physical science)	Elective	
Da Vinci Algebra 1 (4642)	<b>PADA Geometry</b>	<b>PADA Algebra 2</b>	Elective	
Beginning Art (1542)	<b>PADA Public Art and Design</b>	<b>PADA Core</b> (Graphic Design)	<b>PADA Internship</b> (City of Brentwood)	
PE9	PE10	Visual Art Elective	Advanced Visual Art Elective	
Elective	AP Art History (recommended- not required)	Elective	Elective	
Elective	Elective	Elective	Unscheduled	

PADA is bound by the California Partnership Academies grant requirements set by the Department of Education. Students are required to attend academy specific classes together 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

## **Da Vinci Algebra 1 w/Beginning Art Course #4642**

*Grade Level:* 9  
*Length:* Year Class  
*Prerequisite:* **Enrollment in Beginning Art #1542**  
*Graduation:* Fulfills one year of math requirement.  
*College Prep:* **Pending** Fulfills UC/CSU math (“c”) requirement.  
*Description:* Da Vinci Algebra 1 elevates mathematics to an art form, as students utilize fundamental Algebra 1 concepts to complete projects in 2D and 3D art and design. Da Vinci Algebra 1 is part of the public arts and design academy as the intro course in a sequence of digital media art and mathematical courses. (Da Vinci Algebra 1 is offered as a two-period course – mathematics and visual and performing arts. Students receive credit for both.)

## **Beginning Art w/Da Vinci Algebra I Course #1542**

*Grade Level:* 9  
*Length:* Year Class  
*Prerequisite:* **Enrollment in Da Vinci Algebra 1 #4642**  
*Graduation:* Fulfills one year of fine art requirement.  
*College Prep:* **Pending** Fulfills UC/CSU fine art (“f”) requirement.  
*Description:* Students utilize fundamental Algebra 1 concepts to complete projects in 2D and 3D art and design. Da Vinci Algebra 1 is part of the public arts and design academy as the intro course in a sequence of digital media art and mathematical courses. (Da Vinci Algebra 1 is offered as a two-period course – mathematics and visual and performing arts. Students receive credit for both.)

## **P-Public Space & Design Course #1523**

*Grade Level:* 10  
*Length:* Year Class  
*Prerequisite:* Enrollment in the PADA Academy  
*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:* Enrollment in PADA Academy  
*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 pace 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 3/American Studies Course #1438**

*Grade Level:* 11  
*Length:* Year class.  
*Prerequisite:* Enrollment in PADA Academy  
*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.

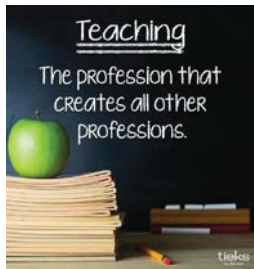
## **P-US History/American Studies Course #1439**

*Grade Level:* 11  
*Length:* Year Class  
*Prerequisite:* Enrollment in PADA Academy  
*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  
*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 16 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, and Science. *(Please indicate your preference for Advanced Placement (AP) English, History or Science courses on your course request form)*

## **10th Grade**

Child Development – 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.

*\*11<sup>th</sup> graders enrolling in TLC academy for the first time are encouraged to also enroll in Child Development TLC if they have not taken Child Development in 10<sup>th</sup> grade; however, it is not mandatory.*

## **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 earn 6 units of college elective credit while taking this course (in partnership with LMC and SSU).

*\*No 12<sup>th</sup> graders may join TLC for the first time senior year.*

# TLC Course Selection

## Suggested Courses of Study for Teaching Learning Careers

10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 2 TLC	English 3 TLC	ERWC TLC
Mathematics – By assignment	Mathematics – by assignment	Government/Economics TLC
Biology TLC or Chemistry or Chemistry in the Community TLC	US History TLC	Mathematics – (recommended)
World History - TLC	Chemistry or Chemistry in the Community TLC	TLC Internship
Physical Education	TLC Core	TLC Internship
Child Development TLC	Elective (or TLC Child Development if not taken in 10 <sup>th</sup> grade)	Elective
Arts and Humanities Elective	Arts and Humanities Elective	Elective/Unscheduled
Elective	Elective	Elective/Unscheduled

### **P-Child Development TLC**

*Grade Level:* 10-11

*Length:* Year Class

*Prerequisite:* Enrollment in TLC Academy

*Graduation:* Fulfills elective credits.

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

*Description:* Development of the child from prenatal to infancy; developmental characteristics and influences affecting early development; individual differences; physical, intellectual, social, emotional, and personality/temperament factors.

Emphasis on theories, research, and states of development.

*Course required for TLC sophomores.*

### **Course #1710**

### **Academy Internship TLC**

*(Sr. Year) Internship*

*Grade Level:* 12

*Length:* Year Class

*Prerequisite:* TLC Core

*Graduation:* Fulfills elective credits.

*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*

### **Course #1615**

Students earn college credit concurrently for successfully completing the TLC pathway!

### **Teaching and Learning Careers Core**

### **Course# 1690**

*Grade Level:* 11-12

*Length:* Year Class

*Prerequisite:* Enrollment in TLC Academy

*Graduation:* Fulfills elective credits

*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.*

# Virtual Enterprise (VE) Academy



Formally known as the Business and Technology Academy, our **new Virtual Enterprise Academy** offers students very unique opportunities. An international program, VE students go through curriculum created by actual business owners and experts, in areas like sales and marketing, human resources, accounting and finance, administration, and graphics and technology. Together, students go through every step needed to create a company and then compete in the \$700 million dollar virtual market place for each other's business. They perform all aspects of running a business and travel to compete against other VE teams presenting business plans and other elements of business. All students interview and are hired into one of the major departments. Once hired, the team works together, performing all aspects of business. Students receive virtual paychecks and have virtual bank accounts. They create and maintain personal budgets that include paying rent and monthly bills, balancing checkbook, getting credit cards, paying taxes, and being a consumer in the VE marketplace while also working together to maintain and build their company. The list of skills learned is extensive and since all students eventually go out into the workplace, VE helps students get ahead and learn immediately applicable, real world skills.

For 2017-2018, the requirement for incoming seniors will be waived as we begin building the academy. The prerequisites all following years will be:

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade-Capstone
Computer Applications 1* Foundations for Success*	College and Career Readiness+ <i>pending</i>	Business Economics +	Virtual Enterprise+

\*Semester

+UC/CSU "g" elective credit

## College and Career Readiness

**Course ID#7445**

*Grade Level:* 10-12

*Length:* Year Class

*Prerequisite:* None

*Graduation:* Fulfills elective credits

*College Prep:* **Pending** UC/CSU elective ("g") requirement

*Description:* Students will have the opportunity to gain knowledge of self, college and career options. Students will read, reflect, discuss and research in order to plan for their future.

Activities include guest speakers and fieldtrips.

## P-Business Economics

**Course #2275**

*Grade Level:* 11-12

*Length:* Year Class

*Prerequisite:* Computer Applications/Algebra 1 highly recommended.

*Graduation:* Fulfills elective credits.

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

*Description:* *Introduction to Business Economics* is an overview of the economic principles of free enterprise in a democratic society. The focus of the course is on how individuals and societies make choices among alternative uses of scarce resources and how business reacts and interacts in this decision process. Major topics include fundamental economic concepts, microeconomics, macroeconomics, global economics and international business, as well as basic business management and entrepreneurial concepts. Through the study of economic topics, students will develop critical thinking skills which integrate language arts and mathematical skills while

applying these concepts in virtual computer simulations and computer based projects. This competency-based course prepares students for entry-level positions in the field of business. Integrated throughout the course are career preparation standards, which include basic academic skills, communication, interpersonal skills, problem solving, workplace safety, technology, and employment and computer literacy. (ROP certificate available)

## P-Virtual Enterprise

**Course #2310**

*Grade Level:* 10-12

*Length:* Year Class

*Prerequisite:* Enrollment Virtual Enterprise Academy

*Graduation:* Fulfills elective credits

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

*Description:* Virtual Enterprise is a simulated business that is set up and run by students to prepare for working in a real business environment. With the guidance of a teacher ("consultant") and real-world business partners, students determine the nature of business, its products and services, its management and structure, communications and the internet for business transactions, and compete in virtual global market. All students are employed at the virtual company and learn and practice personal finance skills.

*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.)*

# Agriculture and Natural Resources Alternative Pathway

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 Ag Earth Science or Sustainable Ag Biology++	Science Sustainable Ag Biology++ or Ag and Soil Chemistry++	Science Ag and Soil Chemistry++	Elective Agribusiness & Economics+
World Language	World Language	World Language	World Language
PE 9	PE 10	Elective	Elective
Elective Agriscience+	Elective Floral Design	Elective Vet Science+	Elective Vet Science+ or other science
Elective or Study Hall	Elective or Study Hall	Elective	Elective

+UC/CSU “g” elective credit

++UC/CSU “d” science credit

## **P-Agriscience**

**Course #1010**

*Grade Level:* 9-12

*Length:* Year Class

*Prerequisite:* None

*Graduation:* Fulfills elective credit

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

*Description:* Agriscience is an introduction to all agriculture courses. It covers a broad spectrum of topics including livestock production, plant science, California agriculture, leadership and careers in agriculture. FFA and SAE projects are an integral part of this course.

## **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

*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-Agriculture Earth Science**

**Course #0063**

*Grade Level:* 9-10

*Length:* Year Class

*Prerequisite:* None

*Graduation:* Fulfills Physical Science requirement

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

*Description:* This integrated academic-vocational course is recommended for all freshmen who are interested in exploring science-related careers in agriculture and applying their classroom learning to real life and workplace situations. It offers a foundation in the earth sciences, the California agriculture basic core and the scientific method. The course provides students an opportunity to learn science by receiving direct instruction, reading textbooks and supplementary materials, using technology to acquire and process information, solving standards-based problems, performing laboratory investigations and experiments and participating in supervised occupational experience projects and FFA leadership activities.

# Agriculture and Natural Resources Alternative Pathway

## **P-Vet Science**

**Course #5088**

*Grade Level:* 11-12

*Length:* Year Class

*Prerequisite:* Agriscience or instructor approval

*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 is articulated with a community college in the area for Animal Science credit. 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.

## **P-Agribusiness & Economics**

**Course #1027**

*Grade Level:* 10-12

*Length:* Year Class

*Prerequisite:* Agriscience, Sustainable Agriculture Biology or Instructor Approval

*Graduation:* Elective Credit

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

*Description:* This course is designed for advanced study of agriculture business opportunities and economics for the college bound student with interest in agriculture. Through the course, the student will understand and apply basic economic principles as they relate to individual consumers, production agriculture, and agri-business management.

Life skills such as resumes, job applications, interview skills and college and scholarship applications will be included. The students will develop a “business” that will produce, package, determine prices, and market their products. Students will keep accurate records of expenses, receipts and profit/losses. At the conclusion of the course, profits will be split equally between the partners.

## **P-The Art & History of Floral Design**

**Course #1028**

*Grade Level:* 10-12

*Length:* Year Class

*Prerequisite:* Sustainable Agriculture Biology or Biology or Instructor Approval

*Graduation:* Fulfills one year visual requirement

*College Prep:* Fulfills UC/CSU requirement for (“d”) lab sciences.

*Description:* This course 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 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.

### **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
- Veterinarian Technician
- Animal Caretaker/Kennel Operator
- Animal Breeder
- Forestry Technician
- Park Ranger
- Fish Hatchery Technician
- Wildlife Biologist

# 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 Multimedia +	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.

## **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:* ROP TV/Video Production or ROP Multimedia  
*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

<b>Introductory (9-10)</b>	<b>Concentrator (10-11)</b>	<b>Capstone (11-12)</b>
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



# Business and Finance CTE Pathway

Introductory (9-10)	Concentrator (10-11)	Capstone (11-12)
Computer Applications 1*	Personal Finance*	Business Economics +
Computer Applications 2*	Accounting+	
Computer Applications 1*	Business Economics+	Virtual Enterprise+
Computer Applications 2*		

\*Semester Class

+UC/CSU "g" elective credit

## Computer Applications I

Course # 2301

Grade Level: 9-12

Length: Semester Class

Prerequisite: None

Graduation: Fulfills elective credits.

Description: Learn how to make computers work for you on your road to success. In this class you will learn how to use the computer efficiently to create documents such as MLA style reports and business communications; safely use the Internet as a tool; and develop professional *PowerPoint* presentations.

## Computer Applications II

Course #2302

Grade Level: 9-12

Length: Semester Class

Prerequisite: Computer Applications I or instructor approval

Graduation: Fulfills elective credit.

Description: Do you want to improve your computer skills for *Common Core Testing*? This class is perfect for you to learn how to create reports in *Microsoft Office Word*, design powerful *Microsoft Office PowerPoint* presentations and manipulate formulas and data in *Microsoft Office Excel* worksheets. Students learn how to create, edit and format common business and personal documents such as letters, memos, reports and flyers.

## Personal Finance

Course #2596

Grade Level: 9-12

Length: Semester Class

Prerequisite: Computer applications recommended

Graduation: Fulfills elective credits.

Description: Personal Finance introduces students to understanding personal finance decisions. Students will learn how to plan and manage their personal finances, achieve a financially successful life, and take financial responsibility as a citizen. This should lead to students thinking about the larger consequences of making financial decisions. Although many of the more practical aspects of personal finance will change over time, due to practices, technologies, customs, and laws, the fundamental awareness of ways to think well about solving financial issues remains constant.

## P-Accounting I

Course #2011

Grade Level: 11-12; 10<sup>th</sup> with Instructor approval.

Length: Year Class

Prerequisite: Algebra I; computer applications recommended

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

Graduation: Fulfills elective credits.

Description: This course focuses on the fundamentals of accounting. It provides a solid foundation for the student who is planning on studying business, accounting, or economics at the collegiate level. Students will be exploring financial and managerial accounting as it pertains to sole proprietorships, partnerships, and corporations. Special emphasis will be placed on the accounting cycle, maintaining bank accounts, preparing financial statements and reports, analyzing results, and making sound business decisions to promote a financially healthy business.

## P-Business Economics

Course #2275

Grade Level: 11-12

Length: Year Class

Prerequisite: Computer applications 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:

- Purchasing Agent
- Office Manager
- Chief Financial Officer
- Accounts Payable
- Auditor
- Accountant
- Human Resources Specialist
- Education Administrator
- Export Sales Representative
- Clerk Investment
- Consultant Tax Preparer
- Venture Capitalist
- Financial Planner
- International Business Executive
- International Shipping Specialist
- Customs Broker
- Customs Inspector
- International Market Researcher

# Hospitality, Tourism and Recreation CTE Pathway

Introductory (9-10)	Concentrator (10-11)	Capstone (11-12)
Foods 1+	Foods: Advanced Baking and Cooking +	Foods: Advanced International Cuisine+

+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

## P-Foods 1

*Grade Level:* 9-12

*Length:* Year Class

*Prerequisite:* None

*Graduation:* Fulfills elective credits.

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

*Description:* Do you like to eat? Do you need a food handler's card for a food service job? In this course you will learn knife skills, food safety practices and working in the kitchen. You will learn how to make basic foods, pizzas, dietary guidelines for foods and meal planning and more! This course articulates with Diablo Valley College as CULN 153. (With a grade of B or better on the exam and the course you will receive college credit transferable to any 4 year college.)

## Course #2540



## P-Foods: Advanced International Cuisine

## Course #2541

*Grade Level:* 10-12

*Length:* Year Class

*Prerequisite:* Foods 1

*Graduation:* Fulfills elective credits

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

*Description:* This is the third course in the Hospitality and Recreation Pathway. Do you want to learn how to create a mouthwatering aromatic food dish from around the world? Do you want to explore why people eat foods that are unique to their cultural heritage? This course is designed to spice up your food from around the world in unique dishes that will appeal to your culinary pallet. This course builds on basic student skills in knife, tool and culinary equipment handling, introduces basic food preparation and provides a working knowledge of laws and regulations relating to safety and sanitation in the kitchen. This course also articulates with Diablo Valley College for transferrable credit to a four year college (CULN 153; CULN 150). This is an approved A to G elective course



## 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.)



**DVC**  
DIABLO VALLEY COLLEGE

### Possible Careers:

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Food Demonstrator</li> <li>• Certified Fitness Nutritionist</li> <li>• Nutritionist</li> <li>• Registered Dietitian</li> <li>• Director of Conference Services</li> <li>• Certified Meeting/Event Planner</li> </ul> | <ul style="list-style-type: none"> <li>• Food Expeditor</li> <li>• Restaurant Manager</li> <li>• Banquet and Catering Director</li> <li>• Research Chef</li> <li>• Executive Chef</li> <li>• Guest Services Agent</li> </ul> |
|---|--|

# Information and Communication Technology CTE Pathway

<u>Introductory (9-10)</u>	<u>Concentrator (10-11)</u>	<u>Capstone (11-12)</u>
Computer Applications 1*	Computer Science Exploring Computer Science	AP Computer Science Principles+++
Computer Applications 2*		

\*Semester Class

+++UC/CSU “g” math emphasis

~Course may be repeated for credit

## Computer Applications I

Course # 2301

Grade Level: 9-12

Length: Semester Class

Prerequisite: None

Graduation: Fulfills elective credit.

Description: Learn how to make computers work for you on your road to success. In this class you will learn how to use the computer efficiently to create documents such as MLA style reports and business communications; safely use the Internet as a tool; and develop professional *PowerPoint* presentations.

## Computer Applications II

Course #2302

Grade Level: 9-12

Length: Semester Class

Prerequisite: Computer Applications I or instructor approval

Graduation: Fulfills elective credit.

Description: Do you want to improve your computer skills for *Common Core Testing*? This class is perfect for you to learn how to create reports in *Microsoft Office Word*, design powerful *Microsoft Office PowerPoint* presentations and manipulate formulas and data in *Microsoft Office Excel* worksheets. Students learn how to create, edit and format common business and personal documents such as letters, memos, reports and flyers.

## P-Exploring Computer Science

Course #4077

Grade Level: 9-12

Length: Year Class

Prerequisite: Basic computer skills

Graduation: Fulfills elective credit.

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

Description: Exploring Computer Science is a yearlong course consisting of 6 units. The course was developed around a framework of both computer science content and computational practice. Assignments and instruction are contextualized to be socially relevant and meaningful for diverse students. Units utilize a variety of tools/platforms and culminate with final projects around the following topics: human computer interaction, problem solving, web design, programming, computing and data analysis and robotics.

## P-AP Computer Science Principles

Course #4746

Grade Level: 9-12

Length: Year Class

Prerequisite: Basic computer skills

Graduation: Fulfills elective credit.

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

Description: AP Computer Science Principles is designed to introduce students to the central ideas of computing and computer science, to instill ideas and practices of computational thinking and to have students engage in activities that show how computing and computer science change the world. Students will learn how to access the world of mobile services and applications as creators, not just consumers. They will learn to create entertaining and socially useful apps that can be shared with friends and family. In addition to learning to program and how to become better problem solvers, students will also explore the exciting world of computer science from the perspective of mobile computing and its increasingly important effect on society. This course is part of a national project through the College Board and National Science Foundation.

## Computer Science

Course #2325

Grade Level: 9-12

Length: Year

Prerequisite: None

Graduation: Elective credit

Description: This elective computer science course will introduce students to the fundamentals of computer programming using the Java language. Java is a modern, object-oriented language created by Sun Microsystems. The major advantage of Java includes its popularity and use on the Internet. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger.

*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
- Game Software Developer



# 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 Tech~

\*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.*



## P-Introduction to Auto

**Course #4000**

*Grade Level:* 10-12

*Length:* Year Class

*Prerequisite:* None

*Graduation:* Fulfills Elective credit.

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

*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.

## ROP Auto Technology

**Course #4010**

*Grade Level:* 11-12 or age 16

*Length:* Year Class

*Prerequisite:* None/Intro to Autos Recommended

*Graduation:* Elective credit. May be repeated

*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. Course has been articulated with Los Medanos College for 4 college level units upon completion of pathway and course.

### Possible Careers:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Estimator</li> <li>• Claims Adjuster</li> <li>• Manufacturer/Insurance Rep</li> <li>• Shop Foreman</li> </ul> | <ul style="list-style-type: none"> <li>• Service Technician</li> <li>• Investigator/Inspector</li> <li>• Engineer</li> <li>• Technical Writer</li> </ul> |
|--|--|

# 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 1

Course #3000

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

## P-English 2

Course #3020

*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 2 is a core language arts course integrating literature, writing, grammar, mechanics, speaking and listening, vocabulary development, reading skills and study skills.

## P-English 3

Course #3070

*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 3 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 3: 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-English 4

Course #3110

*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:* English 4 focuses on Common Core standards while integrating the study of British and World literature with grammar, mechanics, speaking and listening, vocabulary development, reading skills and study skills.

## P-Expository Reading and Writing Course 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.**

# English Language Arts

## **P-AP English 4: 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 British and American literature 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

## **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

## **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.

## **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 score a 1 on the California English Language Development Test (CELDT) 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 score a 1 or 2 on the California English Language Development Test (CELDT) 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 students who score at least a 2 or 3 on the CELDT test. 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

## **Da Vinci Algebra 1 w/Beginning Art** Course #4642

*Grade Level:* 9  
*Length:* Year Class  
*Prerequisite:* **Enrollment in Beginning Art #1542**  
*Graduation:* Fulfills one year of math requirement.  
*College Prep:* Fulfills UC/CSU math (“c”) requirement.  
*Description:* Da Vinci Algebra 1 elevates mathematics to an art form, as students utilize fundamental Algebra 1 concepts to complete projects in 2D and 3D art and design. (Da Vinci Algebra 1 is offered as a two-period course – mathematics and visual and performing arts. Students receive credit for both.)

## **P-Algebra 1** Course #4630

*Grade Level:* 9  
*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 the first course to begin a 3-year college-prep math sequence. This course emphasizes formal development of the algebraic skills and concepts necessary for success in geometry and other advanced college-prep math courses. It is a rigorous course with a good deal of homework and an extensive testing schedule.

## **P-Intensified Algebra 1** Course #4575

*Grade Level:* 9-9  
*Length:* Year Class  
*Graduation:* Fulfills one year of the math requirement  
*College Prep:* Fulfills UC/CSU math (“c”) requirement  
*Description:* Intensified Algebra is a standards-based course designed to prepare students with sufficient mathematics background to meet district and state standards in Algebra. This course emphasizes formal development of the algebraic skills and concepts necessary for students to take geometry and other advanced college-prep math courses. It is more slowly paced than the Algebra 1 course and covers additional mathematical topics to remediate students in the mathematical skills necessary for success in all future classes

## **P-Geometry** Course #4670

*Grade Level:* 9-12  
*Length:* Year Class  
*Prerequisite:* Algebra I  
*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:* Algebra I  
*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 requirements  
*Description:* The emphasis of applied career mathematics will be on real-world problems and applications. 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 course that includes trigonometry and math analysis. Studies of functions, logarithms, analytical geometry and mathematical inductions will prepare students for Calculus. 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

## 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:** 11-12  
**Length:** Year Class  
**Prerequisite:** Algebra 2  
**Graduation:** Fulfills one year of math requirement.  
**College Prep:** Fulfills UC/CSU math (“c”) requirement.  
**Description:** Statistics is a college prep course designed for juniors and seniors who have completed Algebra 2 or Pre-Calculus and would like to learn how to collect, analyze, and interpret data. Topics include graphing data, conducting surveys and experiments, and using data for inference. There is a stronger emphasis on understanding than calculation. 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 II  
**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 or beyond. Topics include those found in the regular statistics course. Students will spend time selecting a proper model, describing and interpreting data, and displaying the results. There is a **heavy emphasis** on using clear reading and writing skills. Course scope and sequence will prepare students for the AP exam in May. Students enrolled in this class need to use a graphing calculator. We recommend the TI-84+. Students who earned less than a “C” in their previous math class are not recommended to take this 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 ("P") 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:* Beginning dance  
*Graduation:* Fulfills elective credit.  
*College Prep:* Fulfills VAPA ("P") 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:* 9-12  
*Length:* Year Class  
*Prerequisite:* Beginning dance or 2 years of dance experience  
*Graduation:* Fulfills elective credit.  
*College Prep:* Fulfills VAPA ("P") 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 ("P") 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 ("P") 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 ("P") 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 or successful completion of entrance requirements (audition, testing and interview).  
*Graduation:* Fulfills Fine Arts requirement /elective credit.  
*College Prep:* Fulfills VAPA ("P") 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:* 10-12  
*Length:* Year Class  
*Prerequisite:* Completion of 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 by personal audition. Please see band teacher for audition material.  
*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.

## **Marching Band Auxiliary** Course # 6040

*Grade Level:* 9-12  
*Length:* Semester  
*Prerequisite:* Audition  
*Graduation:* Fulfills Fine Arts requirement or elective credit.  
*Description:* Marching band auxiliary units perform at all marching events. Additional rehearsals are held after school. All rehearsals and performances are required.

## **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.

## **Orchestra** Course # 6036

*Grade Level:* 9-12  
*Length:* Year Class - May be repeated for credit.  
*Prerequisite:* Permission of Instructor  
*Graduation:* Fulfills Fine Arts requirements.  
*Description:* Designed primarily (but not solely) for students who play string instruments (i.e. violin, viola, cello, and double bass) and/or experienced piano students. Students perform at various concerts, festivals, and occasions as well as the holiday and spring concerts. All performances are required.

## **P-Women’s Chorus** Course #6086

*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:* Women’s Chorus is a choral music class designed for those students with little or no vocal experience. Students must be able to match pitch. Emphasis is on beginning musicianship, vocal production, and vocal technique. All performances are mandatory.

# Performing Arts

## **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:* 9-12  
*Length:* Year Class– May be repeated for credit  
*Prerequisite:* One year concert or women's chorus and/or permission of instructor by audition.  
*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-Women's Ensemble**

**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:* Women's ensemble is an intermediate choral music class designed for women 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:* 9-12  
*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, plyometrics, 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  
**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 9<sup>th</sup> grade core.  
**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:** Successful completion of 9<sup>th</sup> grade core.  
**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:** 11-12  
**Length:** Semester class  
**Prerequisite:** Successful completion of 9<sup>th</sup> and 10<sup>th</sup> grade core. Parent transportation waiver  
**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:** 9<sup>th</sup> and 10<sup>th</sup> grade core PE programs  
**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 and 10th grade core PE programs.  
**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:** Successful completion of PE 9  
**Graduation:** Fulfills elective credit  
**Description:** This course builds on the basic foundation developed in the 9th and 10<sup>th</sup> Grade Core Physical Education programs. Students have the opportunity to participate in and maintain physical fitness through cooperative games and tournaments.

## **Walking for Fitness** **Course # 5676**

**Grade Level:** 10-12  
**Length:** Semester (May be repeated for credit)  
**Prerequisite:** Successful completion of 9<sup>th</sup> grade core PE  
**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.

# Science

## **P-Biology (Lab Science) Course #5050**

*Grade Level:* 9-12  
*Length:* Year Class  
*Prerequisite:* None  
*Graduation:* Fulfills Life Science requirement.  
*College Prep:* Fulfills UC/CSU Lab Science (“d”) requirement  
*Description:* Biology is a laboratory science course. This course emphasizes the study of the characteristics of life, cellular structure and function, genetics, evolution, ecology, and comparative anatomy and physiology. Connections will be made with current issues and concepts from earth science, chemistry, and physics. Laboratory work is a regular part of the course.

## **P-AP Biology (Lab Science) Course #5010**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Biology 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:* Successful completion of biology or sustainable 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-Earth Science Course #5115**

*Grade Level:* 9  
*Length:* Year Class  
*Prerequisite:* None  
*Graduation:* Fulfills Physical Science requirement.  
*College Prep:* Fulfills UC/CSU elective (“g”) requirement.  
*Description:* Earth science is a college prep elective science course. This course emphasizes the four main branches of earth science which are astronomy, meteorology, oceanography and geology. Connections to current events will be utilized and use of critical and objective thinking skills will be expected through the completion of projects, activities and labs.

## **P-Chemistry (Lab Science) Course #5135**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Algebra I, physical science, biology or sustainable ag biology  
*Graduation:* Fulfills Physical Science requirement.  
*College Prep:* Fulfills UC/CSU Lab Science (“d”) requirement  
*Description:* Chemistry is a one-year course that emphasizes the basic concepts of chemistry while it builds and expands on the student’s knowledge gained from previous physical science or biology courses. This class uses mathematical problem solving applied to chemistry concepts. The course also emphasizes, in depth, critical and creative thinking skills through experimentation, written assignments and real-world problems and projects.

## **P-Chemistry in the Community (Lab Science) Course #5150**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Biology or sustainable ag biology  
*Graduation:* Fulfills Physical Science requirement.  
*College Prep:* Fulfills UC/CSU Lab Science (“d”) requirement  
*Description:* Chemistry in the Community is a high school course developed to address the state standards in chemistry. It is a lab-oriented course which explores chemistry concepts such as: atomic structures, states of matter, chemical reactions, and energy. This is a year-long chemistry course designed primarily for college-bound students who plan to pursue careers in fields other than science or engineering.

## **P-AP Chemistry (Lab Science) Course #5160**

*Grade Level:* 11-12  
*Length:* Year Class  
*Prerequisite:* Algebra II 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.

# Science

## **P-ROP Analytical Forensic Science** **Course #5193**

*Grade Level:* 11-12 or age 16  
*Length:* Year Class  
*Prerequisite:* Biology or sustainable ag biology, chemistry or ag & soil chemistry and algebra  
*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.

## **P-Physics (Lab Science)** **Course #5180**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Algebra 2 (enrollment in pre-calculus preferred)  
*Graduation:* Fulfills Physical Science Lab requirement.  
*College Prep:* Fulfills UC/CSU Physical Science (“d”) requirement.  
*Description:* Physics is a one-year course that studies the physical world using basic concepts, equations, and assumptions. Topics covered include motion, energy, momentum, sound and light waves, heat, magnetism, electricity, and atomic physics. This class uses mathematical problem solving and communication skills through experiments, written assignments, and ‘real-world’ projects. The course sharpens critical, creative, analytical, and creative thinking skills. Laboratory work is regular part of the course.

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

*Grade Level:* 11-12  
*Length:* Year Class  
*Prerequisite:* Completion of pre-calculus 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 ROP Environmental Science (Lab Science) Course # 5091**

*Grade Level:* 11-12  
*Length:* Year class  
*Prerequisite:* Algebra and biology or sustainable ag biology (chemistry or ag & soil chemistry recommended)  
*Graduation:* Fulfills Physical Science Lab requirement.  
*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-World Cultures and Geography** **Course #5255**

*Grade Level:* 9  
*Length:* Year Class  
*Prerequisite:* None  
*Graduation:* Fulfills elective credit  
*College Prep:* Fulfills UC/CSU elective ("a") requirement  
*Description:* This course is designed to enhance students' understanding of the global environment in which they live. During the year course, emphasis is placed on students acquiring knowledge of world cultures, world problems, basic geography, human migration, the humanities, critical thinking skills, reading strategies, study skills, vocabulary development, writing ability, and speaking for the purpose of debate and presentation. The program integrates a variety of teaching methods that requires students to engage in both group and individual learning.

## **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-AP European History** **Course #5380**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* None  
*Graduation:* Fulfills elective credit  
*College Prep:* Fulfills UC/CSU History ("a") or elective ("g") requirement  
*Description:* This course is designed to increase the student's understanding of European history from 1450 to 1970. The course will include the major themes, trends and events in the development of political, social and economic institutions as well as cultural and intellectual development. *\*This course 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** **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 8000 BCE to present. *\*This class prepares students to take the AP exam in May.*

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

*Grade Level:* 11-12  
*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:* None  
*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.

# Social Science

## **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:* Fulfills 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.

## **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-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 studies (Rock and Roll) from 1950 to 2000 with an emphasis of the art from African American and southern roots, through the impact of the ‘British Invasion’ of the 1960’s, heavy metal and alternative rock of the 1980’s, to the creation of several subgenres through contemporary artists.

## **P-History of World War II** **Course #5275**

*Grade Level:* 11-12  
*Length:* Year Class  
*Prerequisite:* None  
*Graduation:* Fulfills elective credits.  
*College Prep:* **Pending** 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.

## **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.



# Social Science

## **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”)  
*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.*

## **P-Sociology and Disorders**

**Course #5398**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Psychology within Society Recommended  
*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 effects of society on our individual personality and our personal impact on society at large. The course will cover topics such as group behavior, attitudes, prejudice, conformity, obedience, aggression and altruism. This course also a course in psychological disorders. The course will cover material describing the causes, cures and treatments of disorders such as anxiety disorders, dissociative disorders, mood disorders, personality disorders, and schizophrenia.. Finally students will look at human development.

# 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. This class is for beginning art students. This course introduces the student to basic concepts of artistic perception, creative expression, historical and cultural context, aesthetic valuing, and connections, relations, and applications, using a wide variety of materials to create art projects.

## **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 focuses on a variety of drawing and painting techniques the first ½ Year and creating a student portfolio during the 2nd ½ Year utilizing those skills. A sketchbook will be required to be worked on outside of class. May be repeated for credit.

## **P-Advanced Art**

**Course #1520**

*Grade Level:* 10-12

*Length:* Year Class

*Prerequisite:* One year of beginning or 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 furthers the students’ knowledge, gained in Beginning Art and Intermediate Art, of design concepts, harmonious relationships among line, value, color, texture, and form. The student will use a variety of techniques and various resources including written information to gain, a greater knowledge of art history and aesthetics. Students will also be required to create a portfolio. May be repeated for credit.

## **P-Advanced Painting and Drawing**

**Course #1570**

*Grade Level:* 10-12

*Length:* Year Class

*Prerequisite:* Beginning, intermediate art or instructor approval

*Graduation:* Fulfills Fine Arts requirement or elective credit.

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

*Description:* Advanced Painting and Drawing expands the student’s knowledge of design concepts gained in Beginning Art and/or Intermediate Art. The student will create paintings and drawings utilizing a variety of techniques and materials with the emphasis on acrylic/oil painting. May be repeated for credit.

## **A Survey in Modern Art**

**Course #1565**

*Grade Level:* 11-12

*Length:* Year Class

*Prerequisite:* One full year of any visual art class with a B or higher or instructor approval

*Graduation:* Fulfills Fine Arts requirement or elective credit

*College Prep:* Pending (“P”) requirement for UC/CSU

*Description:* This course will allow students to go into further depth of study in art during the last 150 years. Students will discuss, research and analyze how artwork during the last 150 years correlate and correspond to the eras in which they were and are produced. Students will relate modern artwork as a reaction for and or against social, political, economic and or religious issues during the 19<sup>th</sup> 20<sup>th</sup> and 21<sup>st</sup> centuries.

## **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 with dimensional design in a more advanced manner. Course work and individual assignments will be emphasized throughout the year. This course may be repeated for credit with a grade of B” or better and the permission of the instructor

## **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.

# Visual Arts

## **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- 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 is under a curriculum revision, which 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.

## **P-AP Studio Art (2-D Design)**

**Course #1578**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Intermediate, advanced art, or advanced painting and drawing recommended or concurrent enrollment in advanced art  
*Graduation:* Fulfills Fine Arts requirement/elective credit  
*College Prep:* Fulfills VAPA (“F”) requirement for UC/CSU  
*Description:* AP Studio Art enables students to do college-level work in studio art while still in high school. AP Studio Art is not based on a written examination, but instead candidates submit a portfolio of work for evaluation at the end of the school year. Three sections of the portfolio are:

- *Quality* - the development of a sense of excellence in art.
- *Concentration* - a commitment in depth to a particular artistic concern.
- *Breadth* - a variety of experiences in the formal, technical, and expressive means available to an artist. Students may select to do either a Drawing, 2-D or 3-D Portfolio. Students may repeat the course.

## **P-AP Studio Art Drawing**

**Course #1576**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Beginning art and highly recommended intermediate or advanced art, or advanced painting and drawing or concurrent enrollment in one of these courses  
*Graduation:* Fulfills Fine Arts requirement/elective credit  
*College Prep:* Fulfills VAPA (“F”) requirement for UC/CSU  
*Description:* AP studio art drawing is a studio art class that expands students’ artistic skills, encouraging them to explore a theme or area of interest to refine their individual skills in drawing. Through the process of discovery students will need to make informed decisions while creating a body of work that demonstrates a high level of quality and growth over the year through technique, content and process.

## **P-AP Studio Art 3-D Design**

**Course #1577**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Ceramics I or 3-D design, highly recommended ceramics 2 or advanced 3-D or instructor approval  
*Graduation:* Fulfills Fine Arts requirement/elective credit  
*College Prep:* Fulfills VAPA (“F”) requirement for UC/CSU  
*Description:* AP studio art 3-D expands students’ artistic skills, encouraging them to explore a theme or area of interest to refine their individual skills in 3-D design. Students will need to make informed decisions while creating a body of work that demonstrates a high level of quality and growth over the year through technique, content and process.

## **Publications/Graphic Art (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:* 9-12  
*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:* 9-12  
*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:* 10-12  
*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:* French 4, students will expand their ability to express themselves in speaking and writing while discussing literature (i.e. The Little Prince) and movies. Students use French as the primary language of communication in class.

## **P-Spanish 1** **Course #3610**

*Grade Level:* 9-12  
*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.

## **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:* 10-12  
*Length:* Year Class  
*Prerequisite:* Spanish 2 or Spanish for Spanish Speakers, 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:* 10-12  
*Length:* Year (10 credits)  
*Prerequisite:* Spanish 3 or Spanish for Spanish Speakers 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  
*Description:* Spanish for Native Speakers I is a course designed for students that 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  
*Description:* Spanish for Native Speakers II is a course designed for students that are fluent speakers in basic Spanish but need further academic development of academic Spanish.

## 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 – 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 – 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 – 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.**

### P-AP Computer Science Principles

### Course #4746

*Grade Level:* 9-12  
*Length:* Year Class  
*Prerequisite:* Basic computer skills  
*Graduation:* Fulfills elective credit  
*College Prep:* Fulfills ("g") requirement for UC/CSU  
*Description:* This course is designed to introduce students to the central ideas of computing and computer science, to instill ideas and practices of computational thinking and to have students engage in activities that show how computing and computer science change the world. Students will learn how to access the world of mobile services and applications as creators, not just consumers. They will learn to create entertaining and socially useful apps that can be shared with friends and family. In addition to learning to program and how to become better problem solvers, students will also explore the exciting world of computer science from the perspective of mobile computing and its increasingly important effect on society. This course is part of a national project through the College Board and National Science Foundation.

### P-Athletics Management

### Course #5660

*Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* Teacher Recommendation  
*Graduation:* Elective credit  
*College Prep:* Fulfills UC/CSU elective ("g") requirement  
*Description:* Athletics Management is a course which introduces students to the skills necessary for success in the athletic world. Students will learn steps necessary to run effective athletic programs and events. Course topics include philosophy, legal issues, game management including incorporation of technology such as press releases and webcasting, athletic field and physical plant management, and athletic survey of middle school, high school, college, and professional programs. Students will participate in a variety of projects throughout the course which will enhance the overall athletic and academic experience of the campus.

# Non-Departmental

## **P-Child Development**

**Course #2516**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* None  
*Graduation:* Fulfills elective credits  
*College Prep:* Fulfills UC/CSU elective (“g”) requirement  
*Description:* Child Development is a course which enables students to understand how to work with and care for children as they grow. Students learn how children from infancy through age six grow physically, mentally, socially, and emotionally.

## **College and Career Readiness**

**Course ID#7445**

*Grade Level:* 10-12  
*Length:* Year Class  
*Prerequisite:* None  
*Graduation:* Fulfills elective credits  
*College Prep:* **Pending** UC/CSU elective (“g”) requirement  
*Description:* Students will have the opportunity to gain knowledge of self, college and career options. Students will read, reflect, discuss and research in order to plan for their future. Activities include guest speakers and fieldtrips.

## **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, 2015:  
*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

## **Da Vinci Algebra 1 w/Beginning Art**

**Course #4642**

*Grade Level:* 9  
*Length:* Year Class  
*Prerequisite:* **Enrollment in Beginning Art #1542**  
*Graduation:* Fulfills one year of math requirement  
*College Prep:* Fulfills UC/CSU math (“c”) requirement  
*Description:* Da Vinci Algebra 1 elevates mathematics to an art form, as students utilize fundamental Algebra 1 concepts to complete projects in 2D and 3D art and design. (Da Vinci Algebra 1 is offered as a two-period course – mathematics and visual and performing arts. Students receive credit for both.)

## **Beginning Art w/Da Vinci Algebra I**

**Course #1505**

*Grade Level:* 9  
*Length:* Year Class  
*Prerequisite:* **Enrollment in Da Vinci Algebra 1 #4642**  
*Graduation:* Fulfills one year of fine art requirement.  
*College Prep:* **Pending** Fulfills UC/CSU fine art (“f”) requirement  
*Description:* Students utilize fundamental Algebra 1 concepts to complete projects in 2D and 3D art and design. Da Vinci Algebra 1 is part of the public arts and design academy as the intro course in a sequence of digital media art and mathematical courses. (Da Vinci Algebra 1 is offered as a two-period course – mathematics and visual and performing arts. Students receive credit for both.)

## **P-Exploring Computer Science**

**Course #4077**

*Grade Level:* 9-12  
*Length:* Year Class  
*Prerequisite:* Basic computer skills  
*Graduation:* Fulfills elective credit  
*College Prep:* Fulfills (“g”) requirement for UC/CSU  
*Description:* Exploring Computer Science is a year-long course consisting of 6 units. The course was developed around a framework of both computer science content and computational practice. Assignments and instruction are contextualized to be socially relevant and meaningful for diverse students. Units utilize a variety of tools/platforms and culminate with final projects around the following topics: human computer interaction, problem solving, web design, programming, computing and data analysis and robotics.

## **Foundations for Success I**

**Course #7457**

*Grade Level:* 9-11  
*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.

## **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.

# Non-Departmental

## **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:* Link Crew is a student centered leadership and mentoring class. This class engages, develops and trains students to be leaders and mentors. Link Crew is about facilitating a smooth transition both socially and academically for all freshmen throughout the year. Link Crew is about more than events: it is about helping freshmen achieve success and it is that initial success that propels freshmen toward continued success throughout high school.

## **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.

## **Student Leadership – Grade 9**

**Course #7480**

*Grade Level:* 9-12  
*Length:* Year Class  
*Prerequisite:* Grade 9 only  
*Graduation:* Fulfills elective credits  
*Description:* Freshmen Leadership is open to freshmen students interested in an introduction to Student Leadership at Liberty. Students will learn the fundamentals of teamwork, communication, goal-setting, and time management. Additionally, they will assist the Student Leadership class with promotion and production of school spirit, dances, events, and community-based charitable activities. The skills learned within this course will enable students to be leaders within their academic, athletic, artistic and extracurricular endeavors both in school and out.

## **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 mark 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.

## **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, Vinaysa Flow, and Iyengar. Non-religious yoga philosophy and yoga history will be introduced. Other cultural styles and histories of movement such as Tai Chi, improvisation, partner dance, and the history and philosophy of social and cultural movement and social dance etiquette will be introduced. Students are expected to come to class with a yoga mat and loose non-constrictive clothing.







# 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

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

**“a-g” Subject Requirements**  
for admission to a:  
California State University (CSU)  
University of California (UC)

REQUIRED  RECOMMENDED

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