

MASTER COURSE LIST

ENGLISH (40 Credits Required)	9	English I			
	10	Honors English I English II Honors English II Academy English II			
		11	English III Honors English III Advanced Placement English Literature Academy English III		
	12	English IV Honors English IV Advanced Placement English Language & Expository Composition <u>Academy English IV</u>			
MATHEMATICS (20 Credits Required-Class of 2015) (30 Credits Required-Class of 2016 and beyond) (Must Pass Algebra I)	9, 10, 11, 12	Geometry Honors Geometry Introduction to Mathematics Mathematics I, IA, IB Honors Mathematics I Algebra I Algebra II Trigonometry Calculus <u>Advanced Placement Calculus</u>			
		SCIENCE (20 Credits Required-Class of 2015) (30 Credits Required-Class of 2016 and beyond) (10 Credits of Life Science and 10 Credits of Physical Science)	Earth Science Honors Earth Science Biology Honors Biology Academy Biology Advanced Placement Biology Chemistry Advanced Placement Physics Honors Anatomy & Physiology Advanced Placement Chemistry <u>Academy Forensic Science</u>		
			SOCIAL SCIENCE (30 Credits Required)	10 World History/ Academy World History World History Essentials Honors World History	
				11 United States History/Academy U.S. History Advanced Placement U.S. History	
			PHYSICAL EDUCATION (40 Credits Required unless Exempted from two years)	12 <u>Civics & Economics/Academy Civics & Economics</u>	
				9, 10 Physical Education Sports Physical Education	
				11, 12 Physical Education Sports Physical Education <u>Weight Training</u>	
			VISUAL & PERFORMING ARTS or FOREIGN LANGUAGE (10 Credits Required)	9, 10, 11, 12	Beginning Art/ Advanced Art Advanced Placement Art History Cartooning & Animation Concert Band Beginning Band Beginning Guitar Music Theory & Analysis I Jazz Band Concert Choir

Earth Science is the entry level freshman course.

VISUAL & PERFORMING ARTS or FOREIGN LANGUAGE (continued)

CAREER & TECHNICAL EDUCATION 9
9, 10, 11, 12
(10 Credits Required)

Senior students transferring to Lower Lake High School in the second semester will be evaluated on an individual basis to determine whether they have satisfied Lower Lake High School graduation requirements.

All students are required to pass both sections (English/Language Arts and Mathematics) of the California High School Exit Exam in order to earn a diploma.

GENERAL ELECTIVES 9, 10, 11, 12
(110 Credits Required—Classes of 2014-15)
(90 Credits Required—Classes of 2016 & Beyond)

60 Hours (15 hours/year) of Volunteer Service Hours

- Chamber Choir (Blue Notes)
- Introduction to Dance
- Intermediate/Advanced Dance
- Beginning Drama/Advanced Drama
- Stage Craft
- Photography
- Radio and Television Broadcasting
- Spanish I, II, III or IV
- Freshmen Foundations
- Beginning Auto/Auto II/ROP Advanced Automotive
- Auto Body Repair
- Introduction to Culinary/ROP Advanced Culinary & Hospitality
- Introduction to Baking and Pastry Making
- Introduction to Agriculture
- Agriculture Mechanics
- Agriculture Project/Construction
- Ag Welding I & II
- Environmental Horticulture
- Floral Design
- Landscape & Nursery Practices
- Animal Science
- Ag Leadership and Career Development
- Introduction to Child Care
- Careers With Children/Careers With Children Practicum
- Emergency Response
- ROP Medical Tech. & Terminology
- Introduction to Fire Science
- Health
- Technology Core/Introduction to Computers
- Mechanical Drawing/Introduction to CAD
- Computer Applications 1/2
- ROP Adobe Design Collection/ Dreamweaver
- Introduction to Business & Business Law
- Business Mathematics
- Computerized Accounting
- Mathematics (Beyond 3 years required)
- Science (Beyond 3 years required)
- Visual & Performing Arts or Foreign Language (Beyond 1 year required)
- Physical Education (Beyond 2 years required)
- Sports Nutrition & Fitness
- Yearbook
- Academic Decathlon
- Improvisational Public Speaking
- Various Intervention Courses
- Career & Tech. Ed. (Beyond 1 year required)
- Psychology or Academy Psychology
- Work Experience Education
- Leadership
- Office/Teacher/Library Aide
- Upward Bound

California State University (CSU)/University of California (UC)

Freshman Admission Requirements

	Requirements for CSU	Requirements for UC
“a” Hist/Soc.Sci.	Two years of history/social science, including 1 year of U.S. History OR one semester of U.S. History and one semester of American Government AND	
	1 year of history/social science from either the “a” or “g” subject area	1 year of World History, Cultures and Geography from the “a” subject area
“b” English	4 years of English (including no more than one year of ESL/ELL/ELD courses)	
“c” Math	3 years of math; 4 years recommended	
“d” Science	2 years of laboratory science, including at least two of the three core disciplines of Biology, Chemistry and Physics	
	At least 1 year of physical science and 1 year of biological science, one from the “d” subject area and the other from the “d” or “g” area	Both courses must be from the “d” subject area. 3 years recommended
“e” Language (not English)	2 years of language other than English (must be the same language)	
		3 years recommended
“f” Arts	1 yearlong course in visual and performing arts (selected from dance, music, theater/drama and visual arts)	
“g” Electives	1 year of an elective chosen from any area on the approved “a-g” course list	
Maximum of 8 extra grade points awarded for approved honors or AP courses. No more than two yearlong courses taken in 10th grade can earn honors points. GPA calculated using only “a-g” approved courses taken after the 9 th grade		
FOR ADMISSIONS PURPOSES, A GRADE OF “C” OR BETTER IS REQUIRED FOR ALL A-G COURSES.		

COLLEGE & CAREER PATHWAYS COURSES

I. ENGINEERING, ARCHITECTURE & TRANSPORTATION

Technology Core/Introduction to Computers	Mechanical Drawing/Introduction to CAD
Beginning Automotive	ROP Automotive II
ROP Advanced Automotive	ROP Auto Body Repair
Computer Applications 1/2	ROP Computer Applications 3/4

II. ARTS, MEDIA & ENTERTAINMENT

Beginning Art	Advanced Art
Beginning Drama	Advanced Drama
Stage Craft	Beginning Band
Concert Band	Jazz Ensemble
Concert Choir	Chamber Choir (Blue Notes)
Photography	Radio & Television Broadcasting
Technology Core/Introduction to Computers	Advanced Placement Art History
Cartooning	

III. HEALTH SCIENCE, MEDICAL, CHILD DEVELOPMENT, EDUCATION, & EMERGENCY SERVICES

Introduction to Child Care	ROP Careers With Children
ROP Careers With Children Practicum	Introduction to Health Careers I/II
Emergency Response	ROP Medical Terminology and Technology
Advanced Placement Psychology	

IV. HOSPITALITY, TOURISM, RECREATION, & AGRICULTURE

Introduction to Culinary	ROP Advanced Culinary
ROP Introduction to Baking & Pastry Making	Introduction to Agriculture
Ag Mechanics	Ag Construction and Fabrication
Environmental Horticulture	Animal Science
Ag Leadership and Career Development	

WORK EXPERIENCE EDUCATION

Students who are sixteen years old and older may register for the Work Experience Education program to earn graduation credit for their employment experiences. The Work Ability program is also available to qualifying students.

YUBA COMMUNITY COLLEGE & ON-LINE EDUCATION

Don't see a course you want or need? Inquire about our articulated courses with Yuba Community College or our On-Line courses.

DRIVER'S EDUCATION

Would you like to complete the Driver's Education classroom work? See the counselor for registration information.

ALL COURSES ARE DEPENDENT ON SUFFICIENT ENROLLMENT IN ORDER TO BE PLACED IN THE MASTER SCHEDULE

NOTES:

- Students may initiate schedule changes during the first two weeks of school.
- Grades for classes dropped after the ninth week of school will be posted to transcripts.
- Grades received for concurrent college courses will be posted to LLHS transcripts.

12th Grade Core Classes

Grade Level Required Courses:

- English
- United States Government/Economics

Elective Course

Senior students may select five electives to complete the seven period day schedule. It is strongly recommended that students continue to take courses in mathematics and science to prepare for post-secondary goals. Continued enrollment in Physical Education classes is required unless or until students have passed the California Physical Fitness Test.

English

<p>Course Title</p> <p>Course Number:</p> <p>Grade Level:</p> <p>Prerequisite:</p> <p>Length of Course:</p> <p>Graduation Credit:</p> <p>UC/CSU Credit:</p>	<p>1054</p> <p>12</p> <p>English III</p> <p>Year</p> <p>(10) English</p> <p>(b) English</p>	<p>English IV</p> <p>This course is designed to develop skills in reading, writing and the oral English Language Conventions including listening and speaking. Vocabulary development will be taken from articles, stories, and novels assigned in class and will also include instructional language. Reading will provide support for the Government and Economics curriculum through survey of British and World literature including: classic and contemporary texts, magazines, newspapers and online information. Writing and speaking will follow the Standard Conventions of English. Students will write business letters, resumes, a research paper following MLA guidelines and the following types of essays: historical investigation, analytical, persuasive, and reflective and response to literature. Students will be expected to give oral presentations and a speech each semester.</p>
<p>Course Title</p> <p>Course Number:</p> <p>Grade Level:</p> <p>Prerequisite:</p> <p>Length of Course:</p> <p>Graduation Credit:</p> <p>UC/CSU Credit:</p>	<p>1154</p> <p>12</p> <p>English III and enrolled in SERVE Academy</p> <p>Year</p> <p>(10) English</p> <p>(b) English</p>	<p>Academy English IV</p> <p>This course is designed to develop skills in reading, writing, and oral English language conventions, listening and speaking. Vocabulary development will be taken from articles, stories, and novels assigned in class and will also include instructional language used on state tests. Reading will provide support for the Government and Economics curriculum through a survey of British and World literature including: classic and contemporary texts, magazines, newspapers and online information. Students will write a research paper using MLA guidelines and be able to write essays or text of at least 1,500 words in each of the following areas: autobiographical narratives, persuasive essays, responses to literature, expository essays, and biographical narratives. Students will be expected to give oral presentations and a speech each semester. Additional requirements in this version of English IV will be the investigation of SERVE Academy topics including different cultures, immigration, and community.</p>

Course Title:		ERWC – Expository Reading & Writing Honors English IV)
Course Number:	1084	Students who pass the State EAP Writing Assessment will be allowed to earn college credit along with high school credit for this class. This course is designed to develop skills in reading, writing and the oral English Language Conventions through the expository texts provided by the CSU Expository Reading and Writing Course. This course is designed to help students develop academic literacy needed to think, read and write effectively and to engage in thoughtful conversations in each of the units. Students will write various essays: analytical, persuasive, compare and contrast as well as a research paper following the MLA guidelines. Students will also read poetry and stories out of the 12 th grade anthology plus novels recommended for college preparatory students. Students will be expected to give oral presentations and a speech each semester. This class is designed to prepare students for college level coursework. Students must have good reading and writing skills, and good class attendance to be successful in this course. Summer reading and work will be assigned as part of this curriculum.
Grade Level:	12	
Prerequisite:	“B” or better in Honors English III or “B” or better in English II & passed the E/LA CaHSEE and Teacher Recommendation	
Length of Course:	Year	
Graduation Credit:	(10) English	
UC/CSU Credit:	(b) English	
Course Title		EDGE English
Course Number:	1060	This course is designed to develop skills in reading, writing, written and oral English language conventions, listening and speaking. EDGE is a core Reading/Language Arts program designed for students reading below grade level. It prepares students for success on exit exams and moves them to graduation and promising future! EDGE English provides relevant and motivating literature at an appropriate reading level. There is a systematic focus on repetition of one reading strategy at a time. Provided in every reading is ample practice for extensive and systematic grammar instruction. Reading, writing, and oral components are applied across genres to promote strategy transfer.
Grade Level:	9 - 12	
Prerequisite:	Teacher Recommendation	
Length of Course:	Year	
Graduation Credit:	(10) English	
UC/CSU Credit:	(b) English	
Course Title		Advanced Placement - English Literature
Course Number:	1093	This course is considered a College Level English class with more depth and complexity. Expectation of taking National Exam at end of year, and if passed with a certain score or better, will earn college/university English credits.
Grade Level:	11 and/or 12	
Prerequisite:	“B” or better in Honors II, or in Honors English III, and Teacher Recommendation/”C” at semester to remain in course	
Length of Course:	Year	This challenging version of English Literature offers highly motivated students the opportunity to earn both high school and college credit by taking the AP English Literature course. Based on 12 th grade course of study for British Literature, with supplements of expository text, students will develop academic literacy, learn and use critical
Graduation Credit:	(10) English	

UC/CSU Credit:	(b) English <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p><i>Advanced Placement English Literature and Language are offered in alternating years.</i></p> </div>	<p>thinking skills, be able to analyze literature and write on a higher level by developing the command of the AP essay format. Socratic seminars, multiple book readings, poetry analysis, multiple choice testing skills, presentations of findings, and weekly papers are all part of the course. The workload will include more than one hour of home-work per night, with NO LATE WORK ACCEPTED unless for medical reasons. Students must have excellent reading and writing skills, good class attendance, and the ability to make a commitment to taking a college level course while in high school. Summer reading and work will be assigned as part of this curriculum.</p>
Course Title Course Number: Grade Level: Prerequisite: Length of Course: Graduation Credit: UC/CSU Credit:	1193 11 and/or 12 “B” or better in Honors II or Honors English III, and Teacher Recommendation Year (10) English (b) English	<p>Advanced Placement – Language and Expository Composition This course is considered a College Level English class with more depth and complexity. Expectation of taking National Exam at end of year, and if passed with a certain score or better, will earn college/university English credits.</p> <p>This class offers highly motivated students the opportunity to earn both high school and college credit by taking the AP Language and Composition course. In this course, students will develop academic literacy, learn and use critical thinking skills, be able to analyze various forms of expository text and write on a higher level by developing the command of the AP essay format. Class and group discussions, multiple non-fiction book readings and analysis with presentations of findings, use of non-fiction magazines, internet, newspapers, test taking skills, and writing papers are all part of the course. The workload will include more than one hour of homework per night, with NO LATE WORK ACCEPTED unless for medical reasons. Students must have excellent reading and writing skills, good class attendance, and the ability to make a commitment to taking a college level course while in high school. Summer reading and work will be assigned as part of this curriculum.</p>

Mathematics

<p>Course Title:</p> <p>Course Number: 2060</p> <p>Grade Level: 9 - 12</p> <p>Prerequisite: None</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Mathematics</p> <p>UC/CSU Credit: (c) Mathematics</p>	<p>Geometry</p> <p>The terms of geometry will be introduced and discussed. Topics include bisections of angles and triangles, altitudes, medians, supplementary and complementary angles, notions of congruence, perpendicular and parallel lines, polygons, quadrilaterals, parallelograms, similarity, the Pythagorean Theorem, circles, arcs, sectors, area, volume, basic constructions, transformations, properties of right triangles, and an introduction to Trigonometry.</p>
<p>Course Title:</p> <p>Course Number: 2061</p> <p>Grade Level: 9 - 12</p> <p>Prerequisite: "B" or better in Algebra I or Placement Exam</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Mathematics</p> <p>UC/CSU Credit: (c) Mathematics</p>	<p>Honors Geometry</p> <p>This is a more rigorous course in Geometry for advanced students. Material covered will include those in the Geometry course, but at a higher level of difficulty and often at a faster pace.</p>
<p>Course Title:</p> <p>Course Number: 2051</p> <p>Grade Level: 9 - 12</p> <p>Prerequisite: None</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Mathematics</p> <p>UC/CSU Credit: (c) Mathematics</p>	<p>Algebra I</p> <p>This course is designed to introduce the use of abstract thought to solve math problems by providing a formal development of algebraic skills and concepts necessary for students to succeed in math. Topics include properties of the real number system and associated arithmetic operations, solution sets of equations and inequalities, first-degree and second-degree functions, graphing linear and quadratic equations, exponents, radicals, factoring and polynomials.</p>
<p>Course Title:</p> <p>Course Number: 2052</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: "C" or better in Algebra I</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Mathematics</p> <p>UC/CSU Credit: (c) Mathematics</p>	<p>Algebra II</p> <p>This course extends the content of Algebra I and provides further development of the algebraic concepts of functions. Topic include further exploration of first-degree and second-degree equations, inequalities, factoring, rational equations, functional relations, graphs, conic sections, systems of linear equations and inequalities, radicals, rational exponents, logarithmic and exponential functions, binomial theorem, sequences and series, probability and statistics.</p>

Course Title:		Trigonometry
Course Number:	2071	This course is comprised of the study of vectors, trigonometric functions of angles, line values and graphs, polar coordinates, complex numbers, fundamental relations, functions of two angles, solutions of triangles, circular functions, inverse functions, and power series. This course will also include a review of topics as a preparation for calculus.
Grade Level:	11 - 12	
Prerequisite:	“C” or better in both Algebra II & Geometry	
Length of Course:	Year	
Graduation Credit:	(10) Mathematics	
UC/CSU Credit:	(c) Mathematics	
Course Title:		
Course Number:	2076	The Advanced Placement (AP) Calculus course follows the Advanced Placement syllabus. Students will take the AP test in May. Course study will include properties of functions, limits, differential calculus, and integral calculus. Use of symbolic differentiation and integration utilities is also included.
Grade Level:	11 - 12	
Prerequisite:	“C” or better in Trigonometry	
Length of Course:	Year	
Graduation Credit:	(10) Mathematics	
UC/CSU Credit:	(c) Mathematics	

Science

Course Title:		Earth Science
Course Number:	4060	This course introduces geologic and planetary terms and concepts, which are based upon the California State Standards. Key concepts include: rocks and minerals, earth’s origin and history, planets, stars, natural forces, volcanism, plate tectonics, earthquakes, mountains, the ocean, atmospheric phenomenon, and California’s geology.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Physical Science	
UC/CSU Credit:	(g) Electives	
Course Title:		
Course Number:	4064	This course is designed for students who seek a thorough background in scientific methods, concepts and the Earth Sciences. There will be the opportunity for additional research and current events. A major emphasis is placed on critical thinking skills and major scientific concepts.
Grade Level:	9 - 12	
Prerequisite:	Teacher Recommendation	
Length of Course:	Year	
Graduation Credit:	(10) Physical Science	
UC/CSU Credit:	(g) Electives	

<p>Course Title:</p> <p>Course Number: 4050</p> <p>Grade Level: 9 - 12</p> <p>Prerequisite: "C" or better in English or Earth Science</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Life Science</p> <p>UC/CSU Credit: (d) Science</p>	<p>Biology</p> <p>This is a college preparatory laboratory course. The material covered includes the following: scientific method, cell biology, biochemistry, genetics, evolution, patterns of homeostasis, transport and structure, sexual and asexual reproduction, physiology, photosynthesis and respiration. This course meets the CSU/UC requirements for laboratory science.</p>
<p>Course Title:</p> <p>Course Number: 4051</p> <p>Grade Level: 9 - 12</p> <p>Prerequisite: "B" or better in English and previous science course</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Life Science</p> <p>UC/CSU Credit: (d) Science</p>	<p>Honors Biology</p> <p>Honors Biology is a course designed for college-bound sophomores. This course will provide a deeper understanding of the California State Standards for Biological Sciences by including the optional standards for Biological Sciences in the curriculum in addition to the required standards. There will be an emphasis on laboratory experiments as well as project based learning to provide students with opportunities to increase understanding of biology, develop their critical thinking skills, as well as prepare them for AP Biology and/or higher level science classes. This is a laboratory course which meets CSU/UC requirements.</p>
<p>Course Title:</p> <p>Course Number: 4061</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: "C" or better in Biology & completion/enrollment in Algebra II</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Physical Science</p> <p>UC/CSU Credit: (d) Science</p>	<p>Chemistry</p> <p>This is a college preparatory course that explores the makeup and interaction of materials in our environment. Topics include atomic and molecular structure, solids, liquids, gases, stoichiometry, nuclear chemistry, acid base chemistry and electrochemistry. This is a laboratory course which meets CSU/UC requirements.</p>
<p>Course Title:</p> <p>Course Number: 4161</p> <p>Grade Level: 11 – 12</p> <p>Prerequisite: "C" or better in Biology & completion/enrollment in Algebra II</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Physical Science</p> <p>UC/CSU Credit: (d) Science</p>	<p>Advanced Placement Chemistry</p> <p>This is a college level course that explores the makeup and interaction of materials in our environment. Topics include atomic and molecular structure, solids, liquids, gases, stoichiometry, nuclear chemistry, and acid base chemistry. This is a laboratory course which meets CSU/UC requirements. Students scoring a three or above on the Advanced Placement exam may be awarded college credit.</p>

<p>Course Title:</p> <p>Course Number:</p> <p>Grade Level:</p> <p>Prerequisite:</p> <p>Length of Course:</p> <p>Graduation Credit:</p> <p>UC/CSU Credit:</p>	<p>4056</p> <p>10 - 12</p> <p>Passing grade ion Biology, Enrollment in the SERVE Academy</p> <p>Year</p> <p>(10) Life Science</p> <p>(g) Elective</p>	<p>Academy Forensic Science</p> <p>Forensic science is a laboratory-based introduction to the analysis of crime scenes by collecting and analyzing physical evidence. This course is designed to integrate the core disciplines (as outlined in the California State Science Standards for grades 9-12) while giving students both theory and hands-on experience with the skills and knowledge required of a forensic crime scene investigator. This multidisciplinary approach will highlight topics in DNA, genetics, anatomy, chemistry, physics, entomology, botany, and investigative techniques with supplemental subject matter through case studies, earth science, mathematics, medicine, and technology with supplemental subject matter through legal and social concerns surrounding forensics will be discussed. Sample evidence for analysis will include, but is not limited to, fingerprints, DNA, projectiles and trajectories, hair, fibers, toxicology, blood splatter patterns, ballistics, chromatography, entomology, soil samples, flower, and impression. Process skills will include comparative analysis, critical thinking, deductive reasoning, interviewing, observation, organization, problem solving, research, communication, evidence collection, lab safety, and technical reading. Project-based learning through laboratory investigations and discussion/class lecture will serve as the main method of content delivery.</p>
<p>Course Title:</p> <p>Course Number:</p> <p>Grade Level:</p> <p>Prerequisite:</p> <p>Length of Course:</p> <p>Graduation Credit:</p> <p>UC/CSU Credit:</p>	<p>4250</p> <p>11 - 12</p> <p>“B” or better in Biology or teacher recommendation</p> <p>Year</p> <p>(10) Life Science</p> <p>(d) Science</p>	<p>Advanced Placement Biology</p> <p>This course is designed to prepare students for the Advanced Placement Exam in biology and follows the outline provided by the College Board. In addition to the scientific material presented, students will also learn test taking strategies for this particular exam. This is a laboratory course which meets CSU/UC requirements. Students completing this class are expected to take the Advanced Placement examination (financial assistance is available to qualifying students). Students must possess excellent reading and writing skills. Completion of Chemistry is recommended and students must be able to commit to taking a college level course in high school. Students in this course are expected to take the Advanced Placement exam, passage of which may result in college credit.</p>
<p>Course Title:</p> <p>Course Number:</p> <p>Grade Level:</p> <p>Prerequisite:</p> <p>Length of Course:</p> <p>Graduation Credit:</p> <p>UC/CSU Credit:</p>	<p>4055</p> <p>11 - 12</p> <p>“B” or better in Biology or teacher recommendation</p> <p>Year</p> <p>(10) Life Science</p> <p>(d) Science</p>	<p>Honors Human Anatomy & Physiology</p> <p>An elective course that focuses on the overall structure of the human body and how it works. Participation in this class includes multiple dissections. This is a strongly suggested class for students interested in careers in health sciences. This is a laboratory course which meets CSU/UC requirements.</p>

Course Title:		Advanced Placement Physics
Course Number:	4062	This is a college preparatory course that explores the interaction of forces in our environment. Topics include metrics, motion, resolving forces, energy and momentum, phases of matter, nature of light, electricity, and nuclear physics. This is a laboratory course which meets CSU/UC requirements. Students completing this class are expected to take the Advanced Placement examination, passage of which may result in college credit. (Financial assistance is available to qualifying students).
Grade Level:	11 - 12	
Prerequisite:	“B” or better in Biology, completion or enrollment in Algebra II, or teacher recommendation	
Length of Course:	Year	
Graduation Credit:	(10) Physical Science	
UC/CSU Credit:	(d) Science	

History/Social Science

Course Title:		Civics & Economics
Course Number:	3054	Civics (Semester 1): This is the study of the foundations and principles of American government. Students will study the role, recruitment and decision making processes of elected officials. Students should develop an understanding of American politics. Federal, state and local governments will be studied. Contrasts will be made to other systems of government and interdependency in the family of nations. The East-West and differing forms of governmental operations, threats, and economic progress will be studied. Political changes in the government of the United States and the relationship between the three branches are studied in this course.
Grade Level:	12	
Prerequisite:	None	
Length of Course:	Semester	
Graduation Credit:	(5) History	
UC/CSU Credit:	(a) History	
Course Number:	2015	Economics (Semester 2) This course is designed to present accurate and up-to-date information about basic principles of economics and an analysis of the free enterprise system. This course deals with the production cycle and prices in the market economy, the national economy and services and taxation as well as the status and the organization of the monetary fiscal policies that can lead to growth and stability in the stock market and economic life of this nation. Seniors will be provided an opportunity to also study the types, purposes and the effects on the financial market and their effective use of lending institutions. The relationship of this nation to the international market system will also be part of the course in economics.
Grade Level:	12	
Prerequisite:	None	
Length of Course:	Semester	
Graduation Credit:	(5) History	
UC/CSU Credit:	(g) Elective	

Course Title:		Academy Civics & Economics
Course Number:	3154	American Government will focus on the foundations and principles of American government with an emphasis on the political process and the election of officials. Federal, states and local governments will be studied with comparison and contrasting activities to other forms of government.
Grade Level:	12	Political changes and the three branches of government will also be studied.
Prerequisite:	Enrollment in SERVE Academy	
Length of Course:	Year	
Graduation Credit:	(10) History	
UC/CSU Credit:	(a) History (5 credits) (g) Elective (5 credits)	In Economics, the principles and an analysis of the free enterprise system, specifically supply and demand, will be studied. Fiscal policies as they relate to the growth and stability in the economic life of this nation, as well as the relationship of this nation to the international market system will be covered. The subjects covered in these classes will be tied to a theme based on the career focus area in the Academy and integrated with the English class. Hands-on activities, simulations and field trips will be an integral part of the curriculum.
Course Title:		Advanced Placement United States History
Course Number:	3093	This Advanced Placement course offers a more in-depth examination of United States History. Students completing this class are expected to take the Advanced Placement examination (financial assistance is available to qualifying students). This course begins during the summer; see the instructor for details.
Grade Level:	11-12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) History	
UC/CSU Credit:	(a) History	

Physical Education

Course Title:		Physical Education
Course Number:	7000	Physical Education is a requirement for all freshmen and sophomores. Each student must pass four semesters of P.E. to meet graduation requirements. The course will include activities and games that are aligned with the California physical education standards.
Grade Level:	10	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Physical Education	
UC/CSU Credit:	None	

<p>Course Title: Course Number: Grade Level: Prerequisite: Length of Course: Graduation Credit: UC/CSU Credit:</p>	<p>7002 9 - 12 Coach's Recommendation Year (10) Physical Education None</p>	<p>Sports Physical Education Sports Physical Education is a physical education course designed for student athletes and is designed to meet the physical education standards and requirements as well as providing assistance in helping student athletes maintain their athletic academic eligibility. Coaches will select and enroll students in this course.</p>
<p>Course Title: Course Number: Grade Level: Prerequisite: Length of Course: Graduation Credit: UC/CSU Credit:</p>	<p>7040 11 - 12 Successful completion of two years of general Physical Education (20 credits) and have the approval of the instructor. Pass the CA Physical Fitness Test Year (10) Physical Education None</p>	<p>Weight Training This course is designed to provide students with concentrated training in body development. Activities will include exercise with Olympic and standard free weights. An additional component will include sport related Workouts as well as proper nutritional habits. Cardio-vascular training, such as the mile and pacer will also be incorporated into the workouts. If a student does not successfully complete this elective class, he/she will not be allowed to repeat the course.</p>

Electives

		<p>ENGINEERING, ARCHITECTURE & TRANSPORTATION PATHWAY</p>
<p>Course Title: Course Number: Grade Level: Prerequisite: Length of Course: Graduation Credit: UC/CSU Credit:</p>	<p>8011 9 - 12 None Year (10) Elective, CTE None</p>	<p>Beginning Automotive This course is designed to instruct students on the complete operation of a small engine. The course will also include instruction on systems such as cooling, lubrication, fuel and ignition systems. In addition, topics such as shop safety, identification and usage of fasteners, gaskets, sealants, bearings, measuring instruments and tools will be covered in this course.</p>
<p>Course Title: Course Number: Grade Level: Prerequisite: Length of Course: Graduation Credit: UC/CSU Credit:</p>	<p>8911 10 - 12 "B" or better in Beginning Automotive Year (10) Elective, CTE None</p>	<p>ROP Auto II This is the second course in a series of courses that comprise the Automotive Technology Career Path at Lower Lake High School. Automotive II will focus on the automobile. This course will include instruction on automotive engines focusing on lubrication, cooling, fuel, intake, exhaust, ignition, and emission systems, batteries, electrical principles, and computer principles.</p>

Course Title:		ROP Advanced Automotive (2 periods)
Course Number:	8912	This course is designed to prepare students for entry level or higher positions in the auto repair service industry. It is a Regional Occupation Program class in which the students will receive instruction on more advanced theory, diagnosis, and repair procedures. This class is in articulation with the Yuba College Tech Prep program. Those students who successfully complete this course can receive up to six units credit from Yuba College.
Grade Level:	10 - 12	
Prerequisite:	“B” or better in Auto II.	
Length of Course:	Year	
Graduation Credit:	(10) Elective, CTE	
UC/CSU Credit:	None	
Course Title:		Auto Body Repair
Course Number:	8015	This course covers all aspects of auto body repair and painting.
Grade Level:	10 - 12	
Prerequisite:	“B” or better in Beginning Automotive	
Length of Course:	Year	
Graduation Credit:	(10) Elective, CTE	
UC/CSU Credit:	None	
Course Title:		Technology Core/Introduction to Computers
Course Number:	9046	Technology Core/Introduction to computers introduces students to career opportunities in the area of technology and will include many “hands-on” experiences with computers and technology for students.
Grade Level:	9 - 12	
Prerequisite:		
Length of Course:	Year	
Graduation Credit:	(10) Elective, CTE	
UC/CSU Credit:	None	
Course Title:		Mechanical Drawing/Introduction to CAD
Course Number:	8916	Using the tools of an architect, students enrolled in Mechanical Drawing/Introduction to Computer Assisted Design (CAD) will learn the basic skills necessary to progress in the field of architecture and engineering.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	

Course Title:		Computer Applications 1/2:
Course Number:	9044	Microsoft Office 2010
Grade Level:	10 - 12	These courses prepare students for employment in the computer office environment by introducing them to the Microsoft Office 2010 collection which includes Word, Excel, Power Point, Access, Publisher and Outlook. This is a year-long course.
Prerequisite:	Proficient in keyboarding	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		ROP Adobe Design Collection/ Dreamweaver
Course Number:	9045	In the first semester, students go through a review in Microsoft Office 2010 Power Point, are introduced to the Adobe Design Collection which includes Indesign, Illustrator and Photoshop. In the second semester, students are introduced to Adobe Dreamweaver and Flash, where they will be able to create their own Web designs. Students passing this course with a "C" or better will be awarded with an ROP Certificate.
Grade Level:	10 - 12	
Prerequisite:	Proficient in keyboarding and Microsoft Office Word	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Introduction to Fire Science
Course Number:	8972	This course will provide an overview of the history, methods, systems and regulations as they apply to the fire science field. Topics include history, evolution, statistics, suppression, organizations, careers and other related topics. Upon completion of this course, students will be able to demonstrate a broad understanding of the fire science field.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Introduction to Business & Business Law
Course Number:	8041	During the first semester, Introduction to Business introduces students to the fundamental concerns of the free enterprise system, including local, regional and U.S. Economics, basic functions of business and the impact of world trade on our economy.
Grade Level:	10 - 12	Second semester Business and Personal Law introduces the rules of conduct that protect our individual rights and enable Americans to live in a free country. Students will look at business torts and how government regulations effect business legislation within legal systems.
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	

Course Title:		Business Mathematics
Course Number:	8043	Business Mathematics is a year-long course in which students learn to use mathematics effectively as a tool in their personal and business lives. After students have completed this course, they will be able to apply mathematical concepts in various personal and business situations. This course may be used to meet the KUSD third year math requirement but does not earn UC/CSU a to g mathematics credit.
Grade Level:	10 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Computerized Accounting
Course Number:	2858	This course is an introduction to the field of accounting and computerized accounting systems. Emphasis is placed on knowing accounting as it relates to careers, accounting terminology, understanding accounting concepts, principles and practices, and applying accounting procedures. Students learn how to prepare and process financial data for computerized accounting systems such as accounts payable, accounts receivable, general ledger, inventory, payroll, purchasing, and electronic spreadsheets. <i><u>This course satisfies the LLHS third year mathematics requirement but does not meet the UC/CSU mathematics requirement.</u></i>
Grade Level:	10 - 12	
Prerequisite:	Proficient in Keyboarding	
Length of Course:	Year	
Graduation Credit:	(10) Math	
UC/CSU Credit:	None	
		ARTS, MEDIA & ENTERTAINMENT
Course Title:		Beginning Art
Course Number:	6021	Beginning Art is an introductory course designed to give the student a better understanding of the visual, communicative and leisure arts, and their place in history and society. The student will be directed to develop a creative approach to problem solving, using the tools of design and composition. Various media will be incorporated in this exploration, including, but not limited to, drawing, watercolor, animation, color, design pen and ink, dough sculpture, video and photographic skills, and the use of audio to complement the various art forms. This course will follow California challenge guidelines for CSU/UC entry for art electives.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	

Course Title:		Advanced Art
Course Number:	6050	A continuation and refinement of skills developed in Beginning Art. Individual projects and exploration will be encouraged. Areas of study may be expanded to include painting on canvas, photography, and other advanced skills such as computer animation. Students will also be trained in commercial art skills in preparation for paying hobbies or vocational training.
Grade Level:	9 - 12	
Prerequisite:	“B” or better in Beginning Art	
Length of Course:	Year	
Graduation Credit:	(10) Math	<u><i>This course satisfies the LLHS third year mathematics requirement but does not meet the UC/CSU mathematics requirement.</i></u>
UC/CSU Credit:	None	
Course Title:		Concert Band
Course Number:	6073	This course explores, rehearses and performs traditional concert band literature and instrumental techniques. Literature will include all styles and eras of music. Participation at all performances, scheduled in and out of class time, weekdays and weekends, is required.
Grade Level:	9 - 12	
Prerequisite:	Ability to play a musical instrument	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
Course Title:		Music Theory & Analysis I
Course Number:	6170	This course will help students understand that what they learn in theory relates to what they do onstage. Technology will be used that will allow the students to take their quizzes online and receive instant feedback. The course will help students understand what chords do in a piece and how those chords work together to move the music forward. Students will learn to hear harmonic progressions and be able to distinguish what is important, and to write music with harmonic logic and melodic beauty.
Grade Level:	10 – 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
Course Title:		Beginning Band
Course Number:	6074	Beginning Band is a class designed for students who want to learn to play a woodwind, brass or percussion instrument. Students will be taught how to read music and how to express themselves through music.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	

Course Title:		Beginning Guitar
Course Number:	6070	This is an elective course for beginning guitarists with no experience on the instrument. The course includes music fundamentals, theory, songs, and performances, listening, improvising, and learning to read standard music notations as well as tablature. In addition, students will be encouraged to attend and play at performances. Students must provide their own guitar.
Grade Level:	9 – 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
Course Title:		Concert Choir
Course Number:	6020	This course explores, rehearses and performs traditional concert choir literature and vocal techniques. Literature will include all styles and eras of music. Participation at all performances, scheduled in and out of class time, weekdays and weekends, is required.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
Course Title:		Chamber Choir (Blue Notes)
Course Number:	6071	This course explores, rehearses and performs traditional choir literature and vocal techniques. Literature will include all styles and eras of music. Participation at all performances, scheduled in and out of class time, weekdays and weekends, is required.
Grade Level:	9 - 12	
Prerequisite:	Audition	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
Course Title:		Jazz Ensemble
Course Number:	6072	This course explores, rehearses and performs the aesthetic, musical and technical aspects of instrumental jazz music. Jazz Band members must also be enrolled in Concert Band. Participation at all performances, scheduled in and out of class time, weekdays and weekends, is required.
Grade Level:	9 - 12	
Prerequisite:	Audition, enrollment in Concert Band	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
Course Title:		Beginning Drama
Course Number:	6030	This class helps provide students with good communication skills and positive self-esteem. It will also help students to explore and develop their creativity. The Drama class will consist of, but not limited to, the following activities: improvisation techniques, theater games, voice control, oral interpretation, blocking skills, memorization, reading and analyzing scripts/plays, directing scenes, and audience participation.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	

Course Title:		Advanced Drama
Course Number:	8050	Advanced Drama is a continued, more in-depth study and practice of the skills acquired in Beginning Drama. Students will write their own theatrical scripts, self-direct and perform.
Grade Level:	10 - 12	
Prerequisite:	“B” or better in Beginning Drama	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
Course Title:		Stagecraft
Course Number:	6333	In this course, students learn about stage set design, theatrical costuming and make-up, and the creation of stage properties. This course supports our performing arts classes.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Introduction to Dance
Course Number:	7003	This course will teach students the beginning “steps” of creative expression through dance and movement.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Intermediate/Advanced Dance
Course Number:	7005	This course provides students with an opportunity to master the beginning skills of dance while developing their technique, poise, self-confidence, and creative ability. Students will both choreograph and perform in class presentation. Students will build upon their vocabulary of dance including the basic elements of time, space, and force or energy. Student will be required to perform at school rallies and public performances.
Grade Level:	10 - 12	
Prerequisite:	Beginning Dance	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
Course Title:		Photography
Course Number:	8943	Using digital photography equipment, students will learn the skills required to produce professional level photographs.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	

Course Title:		Cartooning and Animation
Course Number:	6051	Cartooning students will learn how to create ideas and illustrate pictures for cartoons dealing with politics, current events, irony, creative storytelling, and other creative projects mutually agreed upon by the student and teacher.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Radio and Television Production
Course Number:	8917	The radio and television production course will teach students all of the skills required to produce and air, via the internet, radio and television programs. Students will gain experience working in a studio and producing the school's daily bulletin, sporting events, music concerts, theatrical productions, and special events.
Grade Level:	10 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Advanced Placement Art History
Course Number:	6052	AP Art History is a college-level course intended to prepare students for the Advanced Placement Art History Examination. The fall term of Art History, covers art from the Prehistoric Era through the Medieval Period. The spring term of Art History, covers art from around the world from the Renaissance through art of the 20 th Century. Art History is practiced in everyday life and is not an esoteric field of study meant only for specialists. In this spirit, there are several objectives for the course, including an emphasis on visual literacy and developing both critical thinking skills and an appreciation of works of art from cultures beyond the European tradition. Students also learn how art mediates a vast range of human experiences.
Grade Level:	11 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(f) Arts	
		HEALTH SCIENCE, MEDICAL, CHILD DEVELOPMENT, EDUCATION, & EMERGENCY SERVICES (SERVE ACADEMY)
Course Title:		Introduction to Child Development
Course Number:	8914	This class is designed to educate students about consequences of sexual activity, family planning, pregnancy, developing healthy parenting and family skills, childbirth and how to care for an infant and toddler. The Reality Works pregnancy simulator and Real Care infant simulators are used in this course.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective, CTE	
UC/CSU Credit:	None	

<p>Course Title:</p> <p>Course Number: 8900</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: "C" or better in Introduction to Child Care (recommended)</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective, CTE</p> <p>UC/CSU Credit: None</p>	<p>ROP Careers With Children</p> <p>This course is designed to educate and prepare students for a career in child care or school setting. It will provide students with the knowledge, skills, attitudes and behaviors that will be necessary to guide, interact with and/or instruct children ages four through twelve years old. Units covered include, but are not limited to, all areas of development, health and safety, family challenges, child abuse and neglect, child care options and preparing for a career working with children. Students will have the opportunity to interact with and work hands-on with young children.</p>
<p>Course Title:</p> <p>Course Number: 8901</p> <p>Grade Level: 9 - 12</p> <p>Prerequisite: "C-" or better in Careers With Children <u>both</u> semesters</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective, CTE</p> <p>UC/CSU Credit: None</p>	<p>ROP Careers With Children Practicum</p> <p>Practicum is a separate elective class which allows students to go to one of the local preschools/child care programs or elementary schools for one class period each day to work as a teacher's assistant in a classroom to gain hands-on experience working with children. All students enrolled in this class will be required to have a current TB test on file. Positive attendance is required.</p>
<p>Course Title:</p> <p>Course Number: 8913</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: None</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective, CTE</p> <p>UC/CSU Credit: None</p>	<p>Emergency Response</p> <p>This course explores the jobs and training requirements of first responders such as EMTs, fire and law enforcement. Students completing this course will become CPR certified.</p>
<p>Course Title:</p> <p>Course Number: 8915</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: None</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective, CTE</p> <p>UC/CSU Credit: None</p>	<p>ROP Medical Technology & Terminology</p> <p>This course studies the terminology and technology used in today's medical careers. Students in this class participate in a volunteer program at a local hospital and provides excellent experience for students interested in pursuing a possible career in the health care industry.</p>
<p>Course Title:</p> <p>Course Number: 3094/3194</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: None/Academy Member</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective, CTE</p> <p>UC/CSU Credit: None</p>	<p>Psychology/Academy Psychology</p> <p>The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.</p>

Course Title:		Sports Nutrition & Fitness
Course Number:	7100	Students in this course will explore the fundamentals of nutrition in relation to personal weight conditioning and fitness planning for sports. A trans-disciplinary approach to nutrition and exercises will be explored. Learning lifelong skills to live a healthier life.
Grade Level:	11 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
		HOSPITALITY, TOURISM, RECREATION, & AGRICULTURE
Course Title:		Introduction to Culinary Arts
Course Number:	8020	This year-long course is designed as an introduction to food service production. Course work includes instruction in kitchen safety and sanitation, knife skills, food storage and nutrition. The course also includes basic modern restaurant cooking techniques such as sauce making, meat cutting, lunch and dinner entrée preparation, meal planning, presentation and service. Students will be required to participate with catered events, operate and maintain food service machines and equipment.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective, CTE	
UC/CSU Credit:	None	
Course Title:		ROP Advanced Culinary Arts (2 periods)
Course Number:	8021	This year-long course prepares students with the skills, attitudes and knowledge for employment in the culinary and hospitality industry. Industrial topics include safety and sanitation, HCAAP regulations, safe serve topics, and the planning, selecting, preparing and selling of quality food products. The class operates the Trojan Café as a take-out restaurant for the staff at the high school, district office and elementary school.
Grade Level:	10 - 12	
Prerequisite:	“B” or better in Introduction to Culinary Arts	
Length of Course:	Year	
Graduation Credit:	(10) Elective, CTE	
UC/CSU Credit:	None	
Course Title:		Introduction to Baking & Pastry Making
Course Number:	8023	This year-long course is designed to introduce students to techniques of bread making, pastry, and desserts. Course work includes instruction in baking, proofing, proper handling of yeast, temperature, flavoring, and balance. The course includes basic modern restaurant cooking techniques, proper food service sanitation, presentation and service. Students will be required to participate with catered events, operate and maintain food service machines and equipment.
Grade Level:	10 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective, CTE	
UC/CSU Credit:	None	

Course Title:		Introduction to Agriculture
Course Number:	8111	This is the introductory course to the agriculture pathway, which provides an overview of the wide range of opportunities in the agriculture industry. Specifically, students will learn about animal and plant science related to the agriculture industry, Future Farmers of America training and competitions, and Supervised Occupational Experience projects. Students will be trained in the leadership skills of public speaking, parliamentary procedure, debate, judging teams, recordkeeping for supervise projects and career preparation. Participation in Future Farmers of America is required as well as the development of a supervised agriculture education project.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Agriculture Mechanics
Course Number:	8112	This introductory course in agriculture mechanics develops knowledge and technical skills in the broad field of agriculture machinery, equipment and structures. The topics of this course include: agricultural mechanics safety, hand/power tool use and selection, electrical wiring, metal working, plumbing, concrete, carpentry, welding, and small gas engines. Students will work on a variety of projects in the shop facility. Grade 10 students are allowed enrollment by permission of the instructor only. Participation in Future Farmers of America is required as well as the development of a supervised agriculture education project.
Grade Level:	10 - 12	
Prerequisite:	Introduction to Agriculture	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Agriculture Project/Construction
Course Number:	8115	This advanced course is a practical hands-on project based construction course utilizing welding and wood construction. Students will be completing large-scale and small-scale school and district projects students must have an ongoing supervised agriculture education project. Participation in Future Farmers of America is required as well as the development of a supervised agriculture education project.
Grade Level:	11 - 12	
Prerequisite:	“C” or better in Agriculture Mechanics	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Agriculture Welding I & II
Course Number:	8036	Students enrolled in Agriculture Welding I & II will focus on welding and metal fabrication in the Ag classroom and metal shop designing and building projects related to the field of agriculture. Participation in Future Farmers of America is required as well as the development of a supervised agriculture education project.
Grade Level:	10 - 12	
Prerequisite:	“C” or better in Ag Mechanics	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	

<p>Course Title:</p> <p>Course Number: 4021</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: "C" or better in Intro to Ag</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective</p> <p>UC/CSU Credit: None</p>	<p>Environmental Horticulture</p> <p>This course is intended to successfully prepare students who plan to major in agricultural sciences in college or pursue a career in agriculture. Students will learn about the agricultural effects of environmental ecology, plant reproduction, plant physiology and growth, plant pathology and entomology, biotechnology applications in agriculture, soil structure and function, plant nutrients, plant names and classifications, seed plants, flowering plants, fruit bearing plants, and the history of plants through civilizations. Students will conduct a plant research project. Participation in Future Farmers of America is required as well as the development of a supervised agriculture education project. <i>This course satisfies the Lower Lake High School third year science requirement but is not a UC/CSU a to g science course.</i></p>
<p>Course Title:</p> <p>Course Number: 8116</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: "C" or better in Environmental Horticulture</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective</p> <p>UC/CSU Credit: None</p>	<p>Ornamental Horticulture/Landscape Design and Viticulture Practices</p> <p>Students will learn about native and non-native plant species, irrigation methods, landscape design athletics, and garden structures. Students design, assemble and plant landscape areas. Students will also assist with enhancing and maintaining the schools landscape. Also, students will learn about the business and procedural aspects of vineyard production and cultivation by participating in hands-on lessons in the school's vineyard. Students will take on leadership roles in vineyard, crop and farm production activities. In the second half of the course, students will learn advanced theories and principles related to environmental horticulture science. Students will engage in interactive projects in sustainable agriculture, plant propagation, ecology and ecosystems and organic and greenhouse practices. Participation in Future Farmers of America is required as well as the development of a supervised agriculture education project.</p>
<p>Course Title:</p> <p>Course Number: 8120</p> <p>Grade Level: 10 – 12</p> <p>Prerequisite: Environmental Horticulture</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective</p> <p>UC/CSU Credit: None</p>	<p>Floral Design</p> <p>This is an entry level course designed to introduce students to all aspects of the floral industry. Emphasis will be placed on design, flower identification, tools and potted plant identification.</p>
<p>Course Title:</p> <p>Course Number: 8921</p> <p>Grade Level: 11 - 12</p> <p>Prerequisite: Floral Design</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective</p> <p>UC/CSU Credit: None</p>	<p>Landscape and Nursery Practices</p> <p>This course will prepare students to be employed as a landscape laborer or nursery technician.</p>

Course Title:		Animal Science
Course Number:	8114	<p>This course introduces students to animal breeds and care, livestock, large and small breeds. This is the beginning course for students wanting to pursue a career in veterinary and animal sciences. Participation in Future Farmers of America is required as well as the development of a supervised agriculture education project.</p> <p><i>This course satisfies the Lower Lake High School third year science requirement but is not a UC/CSU a to g science course.</i></p>
Grade Level:	10 - 12	
Prerequisite:	Introduction to Agriculture or "C" or better in Biology	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Ag Leadership and Career Development
Course Number:	6058	<p>Students will explore opportunities in personal and professional development. This course is recommended for students who are FFA officers and students interested in public service, politics, or just want to work on personal improvement. FFA participation/membership is required and public speaking activities occur frequently.</p>
Grade Level:	10-12	
Prerequisite:	Intro to Ag	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Natural Resources and Forestry
Course Number:	8117	<p>This course prepares students for potential careers in natural resource management, forestry, and game and wildlife management. Students will explore scientific method and research skills used in natural resource management. There will be a variety of career explorations with career professionals as well as a focus on local natural resource agencies. Participation in Future Farmers of America is required as well as the development of a supervised agriculture education project.</p>
Grade Level:	10 - 12	
Prerequisite:	"C" or better in Introduction to Agriculture	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
		NON-PATHWAY GENERAL ELECTIVES
Course Title:		Improvisational Public Speaking
Course Number:	1001	<p>This course concentrates on basic speaking skills, how to prepare a speech, how to actively listen and proper evaluation techniques. Speaking in public can be a frightening activity for students; this course provides a stress-free environment to help students overcome this fear. Improvisation and theatrical games will be included to help students gain stage presence while giving speeches.</p>
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(g) Elective	

Course Title:		Spanish I
Course Number:	5051	Students enrolled in Spanish I recognize and distinguish cognates and false cognates to aid in second-language acquisition and development. Vocabulary lessons at this level focus on highly-predictable, real-world subjects and situations, for example, items found in a classroom and around a school campus, numbers, colors, school subjects, describing friends, and identifying the relationships of family members. Students learn the basic rules of conjugation for frequently used present-tense verbs, and all four language domains are practiced and addressed: listening, speaking, reading, and writing. Students learn about and appreciate cultural traditions of people living in Spanish-speaking countries. At the end of the course, students exhibit basic proficiency in spoken and written communication.
Grade Level:	9 - 12	
Prerequisite:	“C” or better in English or teacher recommendation	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(e) Foreign Language	
Course Title:		Spanish II
Course Number:	5052	Students enrolled in Spanish II receive expanded vocabulary instruction founded upon previous and future experiences. The basic rules of conjugation for frequently used past-tense verbs (preterite and imperfect tenses) are instructed, and there is an increased emphasis on irregular verbs (irregular yo forms and stem-changes). At this stage, students begin experimenting with the language as it relates personally to their academic and personal lives via the use of all four language domains (listening, speaking, reading, and writing) with a greater emphasis on language semantics. Students have a more in-depth understanding and appreciation of the cultures and traditions of people from Spanish-speaking countries.
Grade Level:	10 - 12	
Prerequisite:	“C” or better in Spanish I or teacher recommendation	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(e) Foreign Language	
Course Title:		Spanish III
Course Number:	5053	Students enrolled in Spanish III exhibit increased proficiency and confidence in the language when engaging in both structured and predictable environments, as well as during free and spontaneous conversation in Spanish. A concentrated focus on reading comprehension and vocabulary expansion enables students to respond to and initiate conversation with spoken and grammatical accuracy. Upon conclusion of this course, students are sufficiently prepared to visit a Spanish-speaking country.
Grade Level:	11 - 12	
Prerequisite:	“C” or better in Spanish II or teacher recommendation	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	(e) Foreign Language	
Course Title:		Leadership
Course Number:	9030	Leadership is a class for ASB (Associated Student Body) officers and other school leaders. Students participate in the planning, execution, and completion of school events. Some examples are lunch-time activities, rallies, dances, assemblies, and other activities that enhance the student experience at Lower Lake High School.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	

Course Title:		Yearbook
Course Number:	8055	Yearbook students prepare the Lower Lake High School annual yearbook for publication and are involved with photography, word processing, soliciting advertising, and page design and layout.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Academic Decathlon
Course Number:	9050	Academic Decathletes spend most of the year in an in-depth study of a topic in preparation for the annual Lake County Academic Decathlon. Student enrolled in this course represent Lower Lake High School in this annual academic competition.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Upward Bound
Course Number:	9055	Senior students for the Upward Bound program must go through an application and interview process to be selected for the program.
Grade Level:	9 - 12	
Prerequisite:	None	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Teacher's Assistant
Course Number:	9020	TAs assist teachers by preparing materials for class, organizing and filing papers, and providing general classroom assistance to the teacher.
Grade Level:	11 – 12	
Prerequisite:	Consent of Teacher	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Office Assistant
Course Number:	9801	Office Assistants assist the administration and secretarial staff by running errands, organizing and filing papers and providing general support to office personnel.
Grade Level:	11 – 12	
Prerequisite:	Consent of Administrator	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	

Course Title:		Library Assistant
Course Number:	9802	Library Assistants assist the librarian by filing books, organizing and filing papers, and providing general assistance to the librarian.
Grade Level:	11 – 12	
Prerequisite:	Consent of Librarian	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		Cafeteria Assistant
Course Number:	9803	Cafeteria Assistants assist the kitchen personnel by helping to prepare and serve meals and providing general kitchen assistance to the cook staff.
Grade Level:	11 – 12	
Prerequisite:	Consent of Cook	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	
Course Title:		College & Career Center Assistant
Course Number:	9804	College and Career Center Assistants assist the Career Center Technician by preparing materials, organizing and filing papers, and providing general office assistance.
Grade Level:	11 – 12	
Prerequisite:	Consent of Administrator	
Length of Course:	Year	
Graduation Credit:	(10) Elective	
UC/CSU Credit:	None	

Lower Lake High School
TWELFTH GRADE COURSE REQUEST FORM
 2014 – 2015 School Year

(P) College Prep – A to G Courses (AP) Advanced Placement (S) Semester course (#) Prerequisite
 (*) Requires Current or Future Teacher Consent

Student Name (print legibly) _____ Due Date: _____

REQUIRED COURSES:

ENGLISH

- 1054 English IV (P)
- 1084 ERWC English IV (P) (*)
- 1093 AP English Literature (P) (*)
- 1154 Academy English IV (P) (*)

HISTORY/SOCIAL SCIENCE

- 3054 Civics (P) (S)
- 2015 Economics (P) (S)
- 3093 AP U.S. History (P,*)
- 3154 Academy Civics/Econ (P)

ELECTIVE COURSES:

MATHEMATICS

- 2051 Algebra I (P)
- 2052 Algebra II (P) (#)
- 2060 Geometry (P) (#)
- 2061 Honors Geometry (P) (*)
- 2071 Trigonometry (P) (#)
- 2076 AP Calculus (P) (#)

SCIENCE

- 4060 Earth Science (P)
- 4064 Honors Earth Science (P) (*)
- 4050 Biology (P) (#)
- 4051 Honors Biology (P) (*) (#)
- 4055 Honors Anatomy & Physiology (P) (#)
- 4056 Academy Forensic Science (P)
- 4061 Chemistry (P)(#)
- 4161 Advanced Placement Chemistry (AP)(P)(#)
- 4062 AP Physics (P) (#)
- 4250 AP Biology (P)(#)

VISUAL & PERFORMING ARTS

- 6020 Concert Choir (P)
- 6021 Beginning Art (P)
- 6030 Beginning Drama
- 6333 Stage Craft
- 6050 Advanced Art (P) (#)
- 6051 Cartooning & Animation
- 6052 AP Art History (P)
- 6071 Chamber Choir (P) (*)
- 6072 Jazz Ensemble (P) (*)
- 6073 Concert Band (P)
- 6170 Music Theory & Analysis I
- 6074 Beginning Band
- 6070 Beginning Guitar
- 7003 Introduction to Dance
- 7005 Intermediate/Advanced Dance
- 8050 Advanced Drama (P) (#)
- 8917 Radio and Television Broadcasting
- 8943 Photography

PHYSICAL EDUCATION

- 7000 Physical Education
- 7040 Weight Training

GENERAL ELECTIVE COURSES

- 1001 Improvisational Public Speaking
- 3094 Psychology
- 3194 Academy Psychology
- 7100 Sports Nutrition & Fitness
- 8055 Yearbook (*)
- 9020 Teacher's Assistant
- 9030 Leadership (*)
- 9050 Academic Decathlon (*)
- 9801 Office Assistant
- 9802 Library Assistant
- 9803 Cafeteria Aide
- 9804 College and Career Center Assistant
- 9055 Upward Bound
- 5051 Spanish I (P)
- 5052 Spanish II (P) (#)
- 5053 Spanish III (P) (#)

CAREER & TECHNICAL

- 4021 Environmental Horticulture
- 8011 Beginning Automotive
- 8015 Auto Body Repair (#)
- 8020 Introduction to Culinary Arts
- 8021 ROP Advanced Culinary Arts (2 per) (#)
- 8023 Intro to Baking & Pastry Making
- 8036 Ag Welding I & II
- 8111 Introduction to Agriculture
- 8112 Ag Mechanics
- 8114 Animal Science
- 8115 Agriculture Project/Construction
- 8116 Ornamental Horticulture/Landscape Design & Viticulture Practices
- 8120 Floral Design
- 8921 Landscape & Nursery Practices
- 8117 Natural Resources & Forestry
- 6058 Ag Leadership & Career Development
- 8900 ROP Careers With Children
- 8901 ROP Careers w/Children Practicum (#)
- 8911 ROP Auto II (#)
- 8912 ROP Adv. Automotive (2 per) (*)
- 8913 Emergency Response
- 8914 Introduction to Child Development
- 8915 ROP Medical Terminology and Tech
- 8916 Mechanical Drawing, Introduction to CAD
- 8972 Introduction to Fire Science
- 9044 Computer Applications 1/2
- 9045 ROP Adobe Design/Dreamweaver
- 8041 Intro to Business & Business Law
- 8043 Business Mathematics
- 2858 Computerized Accounting
- 9046 Technology Core/Introduction to Computers

SCHEDULE REQUEST

Course #	Course Title
	English
	Government/Economics
	(Elective)
	(Elective)
	(Elective)
	(Elective)
	(Elective)
	Alternate)
	Alternate)

DIRECTIONS

Fill in the appropriate course numbers and titles and obtain teacher initials if required. All efforts will be made to honor requests, however, course offerings and space availability may modify your selections. Missing or incomplete schedule request forms will result in your counselor scheduling your courses. Senior Release will be scheduled by your counselor at the beginning of the school year.