

# MASTER COURSE LIST

|  |               |  |  |  |  |
|--|---------------|--|--|--|--|
| <b>ENGLISH</b><br>(40 Credits Required)  | 9             | English I  |  |  |  |
|  | 10            | Honors English I<br>English II<br>Honors English II<br>Academy English II  |  |  |  |
|  |               | 11   | English III<br>Honors English III<br>Advanced Placement English Literature<br>Academy English III  |  |  |
|  | 12            | English IV<br>Honors English IV<br>Advanced Placement English Language & Expository<br>Composition<br><u>Academy English IV</u>  |  |  |  |
| <b>MATHEMATICS</b><br>(20 Credits Required-Class of 2015)<br>(30 Credits Required-Class of 2016 and beyond)<br>(Must Pass Algebra I) | 9, 10, 11, 12 | Geometry<br>Honors Geometry<br>Introduction to Mathematics<br>Mathematics I, IA, IB<br>Honors Mathematics I<br>Algebra I<br>Algebra II<br>Trigonometry<br>Calculus<br><u>Advanced Placement Calculus</u> |  |  |  |
|  |               | <b>SCIENCE</b><br>(20 Credits Required-Class of 2015)<br>(30 Credits Required-Class of 2016 and beyond)<br>(10 Credits of Life Science and 10 Credits of Physical Science)                               | Earth Science<br>Honors Earth Science<br>Biology<br>Honors Biology<br>Academy Biology<br>Advanced Placement Biology<br>Chemistry<br>Advanced Placement Physics<br>Honors Anatomy & Physiology<br>Advanced Placement Chemistry<br><u>Academy Forensic Science</u> |  |  |
|  |               |  | <b>SOCIAL SCIENCE</b><br>(30 Credits Required)   | 10<br>World History/ Academy World History<br>World History Essentials<br>Honors World History |  |
|  |               |  |  | 11<br>United States History/Academy U.S. History<br>Advanced Placement U.S. History            |  |
|  |               |  | <b>PHYSICAL EDUCATION</b><br>(40 Credits Required unless Exempted from two years)  | 12<br><u>Civics &amp; Economics/Academy Civics &amp; Economics</u>                             |  |
|  |               |  |  | 9, 10<br>Physical Education<br>Sports Physical Education                                       |  |
|  |               |  |  | 11, 12<br>Physical Education<br>Sports Physical Education<br><u>Weight Training</u>            |  |
|  |               |  | <b>VISUAL &amp; PERFORMING ARTS or FOREIGN LANGUAGE</b><br>(10 Credits Required)   | 9, 10, 11, 12  | Beginning Art/ Advanced Art<br>Advanced Placement Art History<br>Cartooning & Animation<br>Concert Band<br>Beginning Band<br>Beginning Guitar<br>Music Theory & Analysis I<br>Jazz Band<br>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  |
|--|---|--|
| <b>"a"</b><br>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>"b"</b><br>English  | 4 years of English (including no more than one year of ESL/ELL/ELD courses)   |  |
| <b>"c"</b><br>Math   | 3 years of math; 4 years recommended  |  |
| <b>"d"</b><br>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.<br><br>3 years recommended |
| <b>"e"</b><br>Language<br>(not English)  | 2 years of language other than English (must be the same language)  |  |
|  |   | 3 years recommended  |
| <b>"f"</b><br>Arts   | 1 yearlong course in visual and performing arts (selected from dance, music, theater/drama and visual arts)                                       |  |
| <b>"g"</b><br>Electives  | 1 year of an elective chosen from any area on the approved "a-g" course list  |  |
| <b>Maximum of 8 extra grade points awarded for approved honors or AP courses. No more than two yearlong courses taken in 10<sup>th</sup> grade can earn honors points.</b><br>GPA calculated using only "a-g" approved courses taken after the 9 <sup>th</sup> grade |   |  |
| <b>FOR ADMISSIONS PURPOSES, A GRADE OF "C" OR BETTER IS REQUIRED FOR ALL A-G COURSES.</b>  |   |  |

# 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                               | Advanced Placement Art History  |
| Technology Core/Introduction to Computers | Radio & Television Broadcasting |
| 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       | Forensic Science                       |

## IV. HOSPITALITY, TOURISM, RECREATION, & AGRICULTURE

|  |                                  |
|--|----------------------------------|
| Introduction to Culinary                   | ROP Advanced Culinary            |
| ROP Introduction to Baking & Pastry Making | Introduction to Agriculture      |
| Ag Mechanics                               | Agriculture Project/Construction |
| Environmental Horticulture                 | Animal Science                   |
| Ag Leadership and Career Development       | Ag Welding I & II                |

## 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.

# 10<sup>th</sup> Grade Core Classes

## Grade Level Required Courses:

- English
- Mathematics
- Science
- Physical Education
- World Culture

## Elective Course

Sophomore students may select two electives, at least one of which must be in the students designated Pathway, to complete the seven period day schedule.

- Pathway Elective
- Pathway or General Elective

## English

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|--|---|
| <p>Course Title</p> <p>Course Number: 1052</p> <p>Grade Level: 10</p> <p>Prerequisite: English I</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) English</p> <p>UC/CSU Credit: (b) English</p>  | <p><b>English II</b></p> <p>This course is designed to develop skills in reading, writing, oral English language conventions, listening and speaking. Vocabulary development will be based on the Common Core Standards regarding Tier I, II, and III levels, as well as articles, stories, and novels assigned in class. Reading will provide support for the World History curriculum through a survey of world literature which includes classic and contemporary texts, magazines, newspapers and online information. Writing and speaking will follow Standard Conventions of English. Students will produce a variety of essays, including a research paper, autobiographical and biographical narratives, analytical essays, persuasive essays, and response to literature. All writing will follow the MLA guidelines. Students are required to give oral presentations and a speech each semester.</p>   |
| <p>Course Title:</p> <p>Course Number: 1082</p> <p>Grade Level: 10</p> <p>Prerequisite: "B" or better in English I AND Teacher Recommendation</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) English</p> <p>UC/CSU Credit: (b) English</p> | <p><b>Honors English II</b></p> <p><b>This course is an accelerated version of English II with more depth and complexity.</b> Prerequisite for this honors class is having achieved in previous English class an A or B (or C in English Honors class) and by teacher recommendation. This course is designed to develop skills in reading, writing, and oral English Language Conventions including listening and speaking. Vocabulary development will be based on the Common Core Standards regarding Tier I, II, and III levels as well as articles, stories, and novels assigned in class. Reading will provide support for the World History curriculum through a survey of world Literature, which includes classic and contemporary texts, magazines, newspapers and online information. Writing and speaking will follow the Standard Conventions of English. Students will produce a variety of essays, including a research paper, autobiographical and biographical narratives,</p> |

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|   |  | analytical essays, persuasive essays, and response to literature. All writing will follow the MLA guidelines. Students are required to give oral presentations and a speech each semester. Students in this course will learn and develop a command of the Advanced Placement essay format and use it when analyzing a variety of forms of literature. The workload will include more than one hour of homework per night. <b>This class is designed to prepare students for college and Advanced Placement level coursework. Summer reading and work will be a required part of the curriculum.</b>  |
| <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>1152</p> <p>10</p> <p>Teacher Recommendation and enrolled in SERVE Academy</p> <p>Year</p> <p>(10) English</p> <p>(b) English</p> | <p><b>Academy English II</b></p> <p>This course is designed to develop skills in reading, writing, oral English language conventions, listening and speaking. Vocabulary development will be based on the Common Core Standards regarding Tier I, II, and III levels as well as articles, stories, and novels assigned in class. Reading will provide support for the World History curriculum through a survey of world literature: classic and contemporary texts, magazines, newspapers, and online information. Writing and speaking will follow Standard Conventions of English. Students will produce a variety of essays, including a research paper, autobiographical and biographical narratives, analytical essays, persuasive essays, and response to literature. All writing will follow the MLA guidelines. Students are required to give oral presentations and a speech each semester. Additional requirements in this version of English II will be the investigation of SERVE Academy themes including career exploration, legal and ethical issues, disease, and diversity.</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>1060</p> <p>9 - 12</p> <p>Teacher Recommendation</p> <p>Year</p> <p>(10) English</p> <p>(b) English</p>                           | <p><b>EDGE English</b></p> <p>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 towards graduation and a 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.</p>  |

## Mathematics

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| <p>Course Title:</p> <p>Course Number: 1198</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: None</p>                       | <p><b>Introduction to Mathematics</b></p> <p>Intro to Mathematics course is a review of the mathematics that students learned in the middle grades and prepare them for High School Mathematics. The scope of the class will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling with a linear equation, and solving linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.</p>  |
| <p>Course Title:</p> <p>Course Number: 2130</p> <p>Grade Level: 9 - 10</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><b>Mathematics IA</b></p> <p>Mathematics I A and Mathematics I B is a set of 2 courses comprising the material that is taught in Mathematics I spread out over 2 years. The Mathematics I A course is to formalize and extend the mathematics that students learned in the middle grades. The scope of the class for algebraic concepts is limited to linear and exponential expressions and functions as well as some work with absolute value, step, and functions that are piecewise-defined. Terms of geometry will also be introduced and discussed.</p>  |
| <p>Course Title:</p> <p>Course Number: 2131</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: Mathematics IA</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Mathematics</p> <p>UC/CSU Credit: (c) Mathematics</p> | <p><b>Mathematics IB</b></p> <p>Mathematics I A and Mathematics I B is a set of 2 courses comprising the material that is taught in Mathematics I spread out over 2 years. The Mathematics I B course is to continue from the coursework from Mathematics I A. Bisection of angles, supplementary and complementary angles, the notions of congruence, perpendiculars, parallel lines, quadrilaterals, planes, polygons, similarity, the Pythagorean Theorem, basic trigonometric ratios, circles, arcs, area, volume, and basic constructions will constitute the majority of the geometric studies of this course.</p>  |
| <p>Course Title:</p> <p>Course Number: 2132</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><b>Mathematics I</b></p> <p>Mathematics I course is to formalize and extend the mathematics that students learned in the middle grades. The scope of the class for algebraic concepts is limited to linear and exponential expressions and functions as well as some work with absolute value, step, and functions that are piecewise-defined. The course will also include terms of geometry, which will be introduced and discussed. Bisection of angles, supplementary and complementary angles, the notions of congruence, perpendiculars, parallel lines, quadrilaterals, planes, polygons, similarity, the Pythagorean Theorem, basic trigonometric ratios, circles, arcs, area, volume, and basic constructions will constitute the majority of the geometric studies of this course.</p> |

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| Course Title:      |  | <b>Honors Mathematics I</b>  |
| Course Number:     | 2133   | Honors Mathematics I course includes the material for the standard Mathematics I course plus approximately 1/3 of the Mathematics II course. This is part of an Advanced track of classes, which over 3 years includes all of Mathematics I, II, III, and Trigonometry, allowing the student to take Calculus as a Senior.   |
| Grade Level:       | 9 - 12                                       |  |
| Prerequisite:      | Placement Exam                               |  |
| Length of Course:  | Year   |  |
| Graduation Credit: | (10) Mathematics                             |  |
| UC/CSU Credit:     | (c) Mathematics                              |  |
| Course Title:      |  | <b>Geometry</b>  |
| Course Number:     | 2060   | 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.                         |
| Grade Level:       | 9 - 12                                       |  |
| Prerequisite:      | None   |  |
| Length of Course:  | Year   |  |
| Graduation Credit: | (10) Mathematics                             |  |
| UC/CSU Credit:     | (c) Mathematics                              |  |
| Course Title:      |  | <b>Honors Geometry</b>   |
| Course Number:     | 2061   | 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.  |
| Grade Level:       | 9 - 12                                       |  |
| Prerequisite:      | “B” or better in Algebra I or Placement Exam |  |
| Length of Course:  | Year   |  |
| Graduation Credit: | (10) Mathematics                             |  |
| UC/CSU Credit:     | (c) Mathematics                              |  |
| Course Title:      |  | <b>Algebra I</b>   |
| Course Number:     | 2051   | 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.        |
| Grade Level:       | 9 - 12                                       |  |
| Prerequisite:      | None   |  |
| Length of Course:  | Year   |  |
| Graduation Credit: | (10) Mathematics                             |  |
| UC/CSU Credit:     | (c) Mathematics                              |  |
| Course Title:      |  | <b>Algebra II</b>  |
| Course Number:     | 2052   | 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. |
| Grade Level:       | 10 - 12                                      |  |
| Prerequisite:      | “C” or better in Algebra I                   |  |
| Length of Course:  | Year   |  |
| Graduation Credit: | (10) Mathematics                             |  |
| UC/CSU Credit:     | (c) Mathematics                              |  |



## Science

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| <p>Course Title:</p> <p>Course Number: 4060</p> <p>Grade Level: 9 - 12</p> <p>Prerequisite: None</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Physical Science</p> <p>UC/CSU Credit: (g) Electives</p>   | <p><b>Earth Science</b></p> <p>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.</p>   |
| <p>Course Title:</p> <p>Course Number: 4064</p> <p>Grade Level: 9 - 12</p> <p>Prerequisite: Teacher Recommendation</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Physical Science</p> <p>UC/CSU Credit: (g) Electives</p>                         | <p><b>Honors Earth Science</b></p> <p>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.</p>  |
| <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><b>Biology</b></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><b>Honors Biology</b></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> |

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|--------------------|--|---|
| Course Title:      |  | <b>Chemistry</b>  |
| Course Number:     | 4061   | 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, and acid base chemistry. This is a laboratory course which meets CSU/UC requirements. |
| Grade Level:       | 9 - 12   |   |
| Prerequisite:      | “C” or better in Biology & completion/enrollment in Algebra II |   |
| Length of Course:  | Year   |   |
| Graduation Credit: | (10) Physical Science  |   |
| UC/CSU Credit:     | (d) Science  |   |

## History/Social Science

|                    |                             |  |
|--------------------|-----------------------------|--|
| Course Title:      |                             | <b>World History</b>   |
| Course Number:     | 3052                        | This course explores the nature of the world in a historical and contemporary perspective. Emphasis is on the socio-cultural-political-geographical development of each region and its application to modern conditions. World Culture topics will include the utilization of resources, energy, population, food supply, global interdependence, and technology in its present state and future applications.   |
| Grade Level:       | 10                          |  |
| Prerequisite:      | None                        |  |
| Length of Course:  | Year                        |  |
| Graduation Credit: | (10) History                |  |
| UC/CSU Credit:     | (a) History                 |  |
| Course Title:      |                             | <b>World History Essentials</b>  |
| Course Number:     | 3056                        | This course is designed for students with low reading and writing abilities or other learning deficiencies which would hinder their success in the World History class. The course is team taught with a social science teacher and an ERSS teacher.   |
| Grade Level:       | 10                          |  |
| Prerequisite:      | None                        |  |
| Length of Course:  | Year                        |  |
| Graduation Credit: | (10) History                |  |
| UC/CSU Credit:     | (a) History                 |  |
| Course Title:      |                             | <b>Academy World History</b>   |
| Course Number:     | 3152                        | This course explores the nature of the world in a historical and contemporary perspective. Emphasis is on the socio-cultural-political-geographical development of each region and its application to modern conditions. World History topics will include the utilization of resources, energy, population, food supply, global interdependence, and technology in its present state and future applications. Class projects will be focused on health and human service practices of the different cultures throughout the world. This is a project based course that integrates skills and vocations. |
| Grade Level:       | 10                          |  |
| Prerequisite:      | Enrollment in SERVE Academy |  |
| Length of Course:  | Year                        |  |
| Graduation Credit: | (10) History                |  |
| UC/CSU Credit:     | (a) History                 |  |

|                    |              |   |
|--------------------|--------------|---|
| Course Title:      |              | <b>Honors World History</b>   |
| Course Number:     | 3055         | This course explores the nature of the world in a historical and contemporary perspective. Emphasis is on the socio-cultural-political-geographical development of each region and its application to modern conditions. World History topics will include the utilization of resources, energy, population, food supply, global interdependence, and technology in its present state and future applications. This course is geared for students who wish to begin AP training in their sophomore year. The depth and pace of the course is similar to a college level course so the honors student will need to be skilled in reading and writing and be committed to daily homework requirements. The student will be trained to interpret, analyze, and synthesize historical documents, as well as original and secondary sources. |
| Grade Level:       | 10           |   |
| Prerequisite:      | None         |   |
| Length of Course:  | Year         |   |
| Graduation Credit: | (10) History |   |
| UC/CSU Credit:     | (a) History  |   |

## Physical Education

|                    |                         |   |
|--------------------|-------------------------|---|
| Course Title:      |                         | <b>Physical Education</b>   |
| 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                    |   |

  

|                    |                         |  |
|--------------------|-------------------------|--|
| Course Title:      |                         | <b>Sports Physical Education</b>   |
| Course Number:     | 7002                    | 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. |
| Grade Level:       | 9-12                    |  |
| Prerequisite:      | Coach's Recommendation  |  |
| Length of Course:  | Year                    |  |
| Graduation Credit: | (10) Physical Education |  |
| UC/CSU Credit:     | None                    |  |
|                    |                         |  |

## Electives

|   |   | <b>ENGINEERING, ARCHITECTURE &amp; TRANSPORTATION PATHWAY</b>   |
|---|---|---|
| Course Title:<br>Course Number:<br>Grade Level:<br>Prerequisite:<br>Length of Course:<br>Graduation Credit:<br>UC/CSU Credit:     | 8011<br>9 - 12<br>None<br>Year<br>(10) Elective<br>None                                       | <p><b>Beginning Automotive</b></p> <p>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> |
| Course Title:<br>Course Number:<br>Grade Level:<br>Prerequisite:<br><br>Length of Course:<br>Graduation Credit:<br>UC/CSU Credit: | 8911<br>10 - 12<br>"B" or better in Beginning Automotive<br><br>Year<br>(10) Elective<br>None | <p><b>ROP Auto II</b></p> <p>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:<br>Course Number:<br>Grade Level:<br>Prerequisite:<br><br>Length of Course:<br>Graduation Credit:<br>UC/CSU Credit: | 8015<br>10 - 12<br>"B" or better in Beginning Automotive<br><br>Year<br>(10) Elective<br>None | <p><b>Auto Body Repair</b></p> <p>This course covers all aspects of auto body repair and painting.</p>  |
| Course Title:<br>Course Number:<br>Grade Level:<br>Prerequisite:<br>Length of Course:<br>Graduation Credit:<br>UC/CSU Credit:     | 9046<br>9 - 12<br><br>Year<br>(10) Elective<br>None   | <p><b>Technology Core/Introduction to Computers</b></p> <p>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.</p>   |
| Course Title:<br>Course Number:<br>Grade Level:<br>Prerequisite:<br>Length of Course:<br>Graduation Credit:<br>UC/CSU Credit:     | 8916<br>9 - 12<br>None<br>Year<br>(10) Elective<br>None                                       | <p><b>Mechanical Drawing/Introduction to CAD</b></p> <p>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.</p>   |

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| Course Title:      |   | <b>Computer Applications 1/2:</b>   |
| Course Number:     | 9044  | <b>Microsoft Office 2010</b>  |
| 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:      |   | <b>Computerized Accounting</b>  |
| 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. |
| Grade Level:       | 10 - 12   |   |
| Prerequisite:      | Proficient in Keyboarding                           |   |
| Length of Course:  | Year  |   |
| Graduation Credit: | (10) Math   | <i><u>This course satisfies the LLHS third year mathematics requirement but does not meet the UC/CSU mathematics requirement.</u></i>   |
| UC/CSU Credit:     | None  |   |
| Course Title:      |   | <b>ROP Adobe Design Collection/Dreamweaver</b>  |
| 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:      |   | <b>Introduction to Business &amp; Business Law</b>  |
| 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   |   |
| Prerequisite:      | None  |   |
| Length of Course:  | Year  | 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.  |
| Graduation Credit: | (10) Elective                                       |   |
| UC/CSU Credit:     | None  |   |

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| Course Title:      |                                | <b>Business Mathematics</b>   |
| 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.<br><br><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:      | None                           |   |
| Length of Course:  | Year                           |   |
| Graduation Credit: | (10) Math                      |   |
| UC/CSU Credit:     | None                           |   |
| Course Title:      |                                | <b>Introduction to Fire Science</b>   |
| 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                           |   |
|                    |                                | <b>ARTS, MEDIA &amp; ENTERTAINMENT<br/>PATHWAY</b>  |
| Course Title:      |                                | <b>Beginning Art</b>  |
| 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:      |                                | <b>Advanced Art</b>   |
| 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. This course will follow California challenge guidelines for CSU, SC entry for art electives and satisfies the CSU/UC a-g requirements.  |
| Grade Level:       | 9 - 12                         |   |
| Prerequisite:      | “B” or better in Beginning Art |   |
| Length of Course:  | Year                           |   |
| Graduation Credit: | (10) Elective                  |   |
| UC/CSU Credit:     | (f) Arts                       |   |

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| Course Title:      |                                      | <b>Photography</b>   |
| 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:      |                                      | <b>Radio and Television Production</b>   |
| 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:      |                                      | <b>Cartooning and Animation</b>  |
| 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:      |                                      | <b>Concert Band</b>  |
| 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:      |                                      | <b>Beginning Band</b>  |
| 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                             |  |

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| Course Title:      |                                      | <b>Beginning Guitar</b>   |
| 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.<br><br>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:      |                                      | <b>Concert Choir</b>  |
| 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:      |                                      | <b>Chamber Choir (Blue Notes)</b>   |
| 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:      |                                      | <b>Jazz Ensemble</b>  |
| 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:      |                                      | <b>Music Theory &amp; Analysis I</b>  |
| 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                             |   |



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| Course Title:      |                                  | <b>Beginning Drama</b>  |
| 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:      |                                  | <b>Advanced Drama</b>   |
| 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:      |                                  | <b>Stagecraft</b>   |
| 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:      |                                  | <b>Introduction to Dance</b>  |
| 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:      |                                  | <b>Intermediate/Advanced Dance</b>  |
| 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                         |   |

**HEALTH SCIENCE, MEDICAL, CHILD  
DEVELOPMENT, EDUCATION, &  
EMERGENCY SERVICES**

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| Course Title:      |   | <b>Introduction to Child Development</b>   |
| 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   |  |
| UC/CSU Credit:     | None  |  |
| Course Title:      |   | <b>ROP Careers With Children</b>   |
| Course Number:     | 8900  | 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. |
| Grade Level:       | 10 - 12   |  |
| Prerequisite:      | “C” or better in Introduction to Child Care (recommended)     |  |
| Length of Course:  | Year  |  |
| Graduation Credit: | (10) Elective   |  |
| UC/CSU Credit:     | None  |  |
| Course Title:      |   | <b>ROP Careers With Children Practicum</b>   |
| Course Number:     | 8901  | 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.  |
| Grade Level:       | 10 - 12   |  |
| Prerequisite:      | “C-” or better in Careers With Children <u>both</u> semesters |  |
| Length of Course:  | Year  |  |
| Graduation Credit: | (10) Elective   |  |
| UC/CSU Credit:     | None  |  |
| Course Title:      |   | <b>Academy Health/Computer Tech</b>  |
| Course Number:     | 9100  | These classes involve four main areas - Career Exploration, Legal/Ethical Issues, Diseases, and Diversity. In the computer tech portion of this class, students will be asked to prepare certain documents, acquire research skills on the internet, participate in job interviews, job shadows, job portfolios, design power points and many other helpful skills!! In the Health tech portion of the class, we cover a variety of different health occupations, medical terminology, confidentiality, consequences, infection control, STDs, human growth & geriatrics.                              |
| Grade Level:       | 10  |  |
| Prerequisite:      | Enrolled in the SERVE Academy                                 |  |
| Length of Course:  | Year  |  |
| Graduation Credit: | (10) Elective, CTE  |  |
| UC/CSU Credit:     | None  |  |

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| Course Title:      |                                 | <b>Emergency Response</b>   |
| Course Number:     | 8913                            | 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.  |
| Grade Level:       | 10 - 12                         |   |
| Prerequisite:      | None                            |   |
| Length of Course:  | Year                            |   |
| Graduation Credit: | (10) Elective, CTE              |   |
| UC/CSU Credit:     | None                            |   |
| Course Title:      |                                 |   |
| Course Number:     | 8915                            | 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.  |
| Grade Level:       | 10 - 12                         |   |
| Prerequisite:      | None                            |   |
| Length of Course:  | Year                            |   |
| Graduation Credit: | (10) Elective, CTE              |   |
| UC/CSU Credit:     | None                            |   |
| Course Title:      |                                 |   |
| Course Number:     | 3094/3194                       | The 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.                            |
| Grade Level:       | 10 - 12                         |   |
| Prerequisite:      |                                 |   |
| Length of Course:  | Year                            |   |
| Graduation Credit: | (10) Elective, CTE              |   |
| UC/CSU Credit:     | None                            |   |
| Course Title:      |                                 |   |
| Course Number:     | 4150                            | 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. Students team with other Academy classes in project based course work. This course meets the CSU/UC requirements for laboratory science. |
| Grade Level:       | 10 -                            |   |
| Prerequisite:      | Enrollment in the SERVE Academy |   |
| Length of Course:  | Year                            |   |
| Graduation Credit: | (10) Life Science               |   |
| UC/CSU Credit:     | (g) Elective                    |   |

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| Course Title:      |  | <b>Academy Forensic Science</b>  |
| Course Number:     | 4056   | Forensic science is a laboratory-based introduction to the analysis of crime scenes by collecting and analyzing physical evidence.   |
| Grade Level:       | 10 - 12  | 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.   |
| Prerequisite:      | Passing grade in Biology,<br>Enrollment in the SERVE Academy | 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, 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. |
| Length of Course:  | Year   |  |
| Graduation Credit: | (10) Life Science  |  |
| UC/CSU Credit:     | (g) Elective   |  |
|                    |  | <b>HOSPITALITY, TOURISM, RECREATION,<br/>&amp; AGRICULTURE</b>   |
| Course Title:      |  | <b>Introduction to Culinary Arts</b>   |
| 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:      |  | <b>Introduction to Baking &amp; Pastry Making</b>  |
| 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   |  |

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| Course Title:      |  | <b>ROP Advanced Culinary Arts (2 periods)</b>  |
| 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:      |  | <b>Introduction to Agriculture</b>   |
| 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:      |  | <b>Agriculture Mechanics</b>   |
| 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                                |  |
| Length of Course:  | Agriculture                                    |  |
| Graduation Credit: | Year   |  |
| UC/CSU Credit:     | (10) Elective<br>None                          |  |
| Course Title:      |  | <b>Agriculture Welding I &amp; II</b>  |
| 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><b>Environmental Horticulture</b></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.</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>   |
| <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><b>Ornamental Horticulture/Landscape Design and Viticulture Practices</b></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. Se. 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><b>Floral Design</b></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: 8114</p> <p>Grade Level: 10 - 12</p> <p>Prerequisite: Introduction to Agriculture or "C" or better in Biology</p> <p>Length of Course: Year</p> <p>Graduation Credit: (10) Elective</p> <p>UC/CSU Credit: None</p> | <p><b>Animal Science</b></p> <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>   |

|                                      |  |   |
|--------------------------------------|--|---|
| Course Title:                        |  | <b>Natural Resources and Forestry</b>   |
| Course Number:                       | 8117   | 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.   |
| Grade Level:                         | 10 - 12  |   |
| Prerequisite:                        | “C” or better in Introduction to Agriculture       |   |
| Length of Course:                    | Year   |   |
| Graduation Credit:<br>UC/CSU Credit: | (10) Elective<br>None                              |   |
| Course Title:                        |  | <b>Ag Leadership and Career Development</b>   |
| Course Number:                       | 6058   | 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.   |
| Grade Level:                         | 10-12  |   |
| Prerequisite:                        | Intro to Ag  |   |
| Length of Course:                    | Year   |   |
| Graduation Credit:<br>UC/CSU Credit: | (10) Elective<br>None                              |   |
|                                      |  | <b>NON-PATHWAY GENERAL ELECTIVES</b>  |
| Course Title:                        |  | <b>Improvitational Public Speaking</b>  |
| Course Number:                       | 1001   | 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.   |
| Grade Level:                         | 9 - 12   |   |
| Prerequisite:                        | None   |   |
| Length of Course:                    | Year   |   |
| Graduation Credit:<br>UC/CSU Credit: | (10) Elective<br>(g) Elective                      |   |
| Course Title:                        |  | <b>Spanish I</b>  |
| 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:<br>UC/CSU Credit: | (10) Elective<br>(e) Foreign Language              |   |

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| <p>Course Title:<br/>Course Number:<br/>Grade Level:<br/>Prerequisite:<br/><br/>Length of Course:<br/>Graduation Credit:<br/>UC/CSU Credit:</p> | <p>5052<br/>10 - 12<br/>"C" or better in Spanish I or teacher recommendation<br/>Year<br/>(10) Elective<br/>(e) Foreign Language</p> | <p><b>Spanish II</b><br/>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.</p> |
| <p>Course Title:<br/>Course Number:<br/>Grade Level:<br/>Prerequisite:<br/>Length of Course:<br/>Graduation Credit:<br/>UC/CSU Credit:</p>      | <p>9030<br/>9 - 12<br/>None<br/>Year<br/>(10) Elective<br/>None</p>  | <p><b>Leadership</b><br/>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.</p>   |
| <p>Course Title:<br/>Course Number:<br/>Grade Level:<br/>Prerequisite:<br/>Length of Course:<br/>Graduation Credit:<br/>UC/CSU Credit:</p>      | <p>8055<br/>9 - 12<br/>None<br/>Year<br/>(10) Elective<br/>None</p>  | <p><b>Yearbook</b><br/>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.</p>   |
| <p>Course Title:<br/>Course Number:<br/>Grade Level:<br/>Prerequisite:<br/>Length of Course:<br/>Graduation Credit:<br/>UC/CSU Credit:</p>      | <p>9050<br/>9 - 12<br/>None<br/>Year<br/>(10) Elective<br/>None</p>  | <p><b>Academic Decathlon</b><br/>Academic Decathletes spend most of the year in an in-depth study of a topic in preparation for the annual Lake County Academic Decathlon. Students enrolled in this course represent Lower Lake High School at this annual academic competition.</p>   |
| <p>Course Title:<br/>Course Number:<br/>Grade Level:<br/>Prerequisite:<br/>Length of Course:<br/>Graduation Credit:<br/>UC/CSU Credit:</p>      | <p>9057<br/>9 - 12<br/>None<br/>Year<br/>(10) Elective<br/>None</p>  | <p><b>Upward Bound</b><br/>Sophomore students for the Upward Bound program must go through an application and interview process to be selected for the program.</p>   |





**Lower Lake High School**  
**TENTH GRADE COURSE REQUEST FORM**  
 2014-2015 School Year

(P) College Prep – A to G Courses

(#) Prerequisite

(\*) Requires Current or Future Teacher Consent

Student Name (print legibly) \_\_\_\_\_ Due Date: \_\_\_\_\_

Pathway Selection:    \_\_\_ **Engineering;**        \_\_\_ **Arts;**        \_\_\_ **Health Science;**        \_\_\_ **Hospitality**

**REQUIRED COURSES:**

**ENGLISH**

- 1052 English II (P)
- 1082 Honors English II (P), (\*)

**MATHEMATICS**

- 1198 Introduction to Mathematics
- 2130 Mathematics IA (P)
- 2131 Mathematics IB (P)
- 2132 Math I (P)
- 2133 Honors Mathematics I
- 2051 Algebra I (P)
- 2060 Geometry (P)
- 2061 Honors Geometry (P) (\*)
- 2052 Algebra II (P) (#)

**HISTORY/SOCIAL SCIENCE**

- 3052 World History (P)
- 3055 Honors World History (#) (P)
- 3056 World History Essentials (P)(\*)

**SCIENCE**

- 4060 Earth Science
- 4064 Honors Earth Science
- 4050 Biology (#) (P)
- 4051 Honors Biology (P) (#)
- 4061 Chemistry (#) (P)

**PHYSICAL EDUCATION**

- 7000 Physical Education

**GENERAL & COMMON  
 PATHWAY ELECTIVE  
 COURSES**

- 2858 Computerized Accounting
- 3094 Psychology
- 5051 Spanish I (P)
- 5052 Spanish II (#) (P)
- 9057 Upward Bound

**PATHWAY ELECTIVE  
 COURSES:**

**ENGINEERING &  
 ARCHITECTURE**

- 8011 Beginning Automotive
- 8015 Auto Body Repair (#)
- 8911 ROP Auto II (#)
- 8916 Mechanical Drawing/Introduction to CAD
- 9044 Computer Applications 1/2
- 9045 ROP Adobe Design/Dreamweaver
- 9046 Technology Core/Introduction to Computers

**ARTS, MEDIA &  
 ENTERTAINMENT**

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

- 1001 Improvisational Public Speaking
- 8055 Yearbook (\*)
- 9030 Leadership (\*)
- 9050 Academic Decathlon (\*)

**HEALTH SCIENCE,  
 MEDICAL, CHILD  
 DEVELOPMENT,  
 EDUCATION, and  
 EMERGENCY SERVICES  
 (SERVE ACADEMY)**

- 1152 Academy English II (P) (\*)
- 3152 Academy World History (P)
- 3194 Academy Psychology
- 4150 Academy Biology (P)
- 4056 Academy Forensic Science (P)
- 8914 Introduction to Child Development
- 8900 ROP Careers With Children
- 8901 ROP Careers W/Child Practicum
- 8913 Emergency Response
- 8915 ROP Medical Term/Tech
- 8972 Intro to Fire Science
- 9100 Academy Health/Computer Tech

**HOSPITALITY, TOURISM,  
 RECREATION, &  
 AGRICULTURE**

- 4021 Environmental Horticulture
- 8020 Introduction to Culinary Arts
- 8021 ROP Advanced Culinary Arts (#)
- 8023 Intro to Baking & Pastry Making
- 8036 Ag Welding I & II
- 8111 Introduction to Agriculture
- 8112 Ag Mechanics
- 8114 Animal Science
- 8116 Ornamental Horticulture/Landscape Design & Viticulture Practices
- 8117 Natural Resources & Forestry
- 6058 Ag Leadership & Career Development
- 8120 Floral Design

- 8043 Business Math
- 8041 Intro to Business & Business Law

**SCHEDULE REQUEST**

| Course # | Course Title       |
|----------|--------------------|
|          | English            |
|          | Math               |
|          | World Cultures     |
|          | Science            |
|          | Physical Education |
|          | (Pathway 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. Students must be 16 or older to enroll in ROP courses.