

REDLANDS HIGH SCHOOL

INTRODUCTION

STATEMENT OF PURPOSE

This catalog is a collection of course information for Redlands High School. It should be used as a general resource and guide as to the courses and programs offered at Redlands High School. This catalog is updated on a yearly basis.

Explanation of Codes:

B = By permission of instructor only

C = College preparatory

F = Fulfills graduation requirement in certain area

G = Graduation course requirement

L = Grade levels eligible

P = Check for prerequisite

U = Units of credit toward diploma

REQUIREMENTS FOR RHS GRADUATION

Satisfactory completion of 225 semester units of credit from grades 9-12 with 70 semester credits maximum credited for ninth grade.

- **All 9th** grade students will be enrolled in a year of English, math, science, and physical education.
- **All 10th – 12th** grade students must be enrolled in English and PE (until they meet the requirement) and are strongly encouraged to be enrolled in math and science. Remaining semester credits must be earned in grades 9-12 including:
 - (1) English 40 Semester Credits in Grades 9 – 12
 - (2) Social Science 30 Semester Credits in Grades 9 –12
(Including World History
& Geography, United States
History, American Government,
Economics)
 - (3) Science 20 Semester Credits in Grades 9 –12
 - (4) Math 20 Semester Credits in Grades 9 –12
 - (5) Foreign Language or Fine Arts 10 Semester Credits in Grades 9 –12
 - (6) Physical Education 20 Semester Credits in Grades 9 –12

SPECIAL CONSIDERATIONS

(1) Physical Education

No more than 40 credits of Physical Education may be applied toward graduation requirements in grades 9 - 12.

A limit of twenty (20) units of graduation credit may be earned in Independent Study PE in the four years of high school.

The Superintendent or designee may exempt students, with their consent, from any two years of physical education courses during grades 10-12 provided that the student has satisfactorily met at least five of the six standards of the FITNESSGRAM in grade 9 and received physical education credit with a grade of C or better for the one semester preceding the period for which the original request is made. (Education Code [51241](#)). Students in grades 10-12 who have been granted a two-year exemption may meet their PE requirement in a regular school-sponsored interscholastic athletic program carried on wholly or partially after regular school hours.

(2) Teacher Assistant

No more than 10 credits may be applied toward graduation. A student may TA with administrative approval only if they have met the College and Career Indicator requirements.

ENGLISH

0029 **ENGLISH 9** **CODE=C, F, L=9 U=10**

Prerequisite: None

Content: This course is based upon the CA State-adopted Common Core State Standards. The course emphasizes the following: Writing, Reading, Informational Text and Literature, Speaking & Listening and the study of Language. For more information, please refer to www.redlandsusd.net.

0030 **ENGLISH 9 – HONORS** **CODE=C, F, L=9 U=10**

Prerequisite: 3.0 or higher in prior core coursework is recommended

Content: English 9-H serves the academically talented, highly motivated 9th grader who plans to enter accelerated English courses in grades 10, 11 and 12. The English 9 course content provides the core of this program which will be enriched with exposure to a more intensified program of literature, reading and writing.

0061 **ENGLISH 10** **CODE=C, F, L=10 U=10**

Prerequisite: None

Content: This course is based upon the CA State-adopted Common Core State Standards. The course emphasizes the following: Writing, Reading, Informational Text and Literature, Speaking & Listening and the study of Language. For more information, please refer to www.redlandsusd.net.

0064 **ENGLISH 10 – HEART Academy** **CODE=C, F, L=10 U=10**

(Same prerequisites and content as English 10; enrollment in HEART Academy required.)

0102 **ENGLISH 10 – HONORS** **CODE=C, F, P, L=10 U=10**

Prerequisite: 3.0 or higher in prior coursework is recommended

Content: English 10-H serves the academically talented, highly motivated 10th grader who plans to enter the Advanced Placement English courses in 11th and 12th grades. The English 10 course content provides the core of this program, which will be enriched with exposure to more classical literature and intensified by a strong writing and reading program. Students also have exposure to the fundamentals of speech techniques and practice these methods in oral presentations.

0065 **ENGLISH 11** **CODE=C, F, L=11-12 U=10**

Prerequisite: None

Content: English 11 is a year-long course based on the study of American literature. This course is based upon the CA State-adopted Common Core State Standards. The course emphasizes the following: Writing, Reading, Informational Text and Literature, Speaking & Listening and the study of Language. For more information, please refer to www.redlandsusd.net.

0101 **AP ENGLISH LANGUAGE & COMPOSITION** **CODE=C, F, P, L=11 U=10**

Prerequisite: Successful completion of English 10 H or English 10; total academic GPA of 3.0 or higher recommended

Content: Advanced Placement English Language and Composition is a full year college preparatory course which includes both the reading and analysis of varieties of discursive prose and the study of the process of writing from the discovery of the topic and the writing of the preliminary drafts to the final edited draft. Through such study and practice, students will gain an understanding of the principles of effective writing and become effective writers themselves. They learn to recognize and work with kinds and levels of diction, varieties of sentence structures, logical and functional relationships of sentences within paragraphs

and of paragraphs within essays, modes of discourse (narration, description, analysis), aims of discourse (information, persuasion, and expression), various rhetorical strategies (the logical, emotional, and ethical appeals), appropriate relationships among author, audience, and subject. The course assumes a basic knowledge of the syntactic structures and semantic components of language. This course helps students to discover the rich resources of language and to claim them as their own. In addition to receiving Redlands High School English credit for this course, students may also qualify for college credit upon successful completion of the national test for Advanced Placement Language Composition.

0075 **ENGLISH 12 ERWC** **CODE=C, F, L=12 U=10**

Prerequisite: None

Content: As a means to increase college readiness, a California State University task force has developed the Expository Reading and Writing Course (ERWC), a full-year college preparatory English course for high school seniors. Course assignments, organized into 14 modules and based mainly on non-fiction texts, emphasize the in-depth study of expository, analytical, and argumentative reading and writing. The University of California has approved the ERWC for area "b" credit (from the "a-g" requirements), and the Course meets college preparatory requirements for both the UC and CSU. The ERWC aligns with the Common Core State Standards, addresses critical reading and writing problems identified by the CSU English Placement Test Committee, and prepares students to meet the expectations of college and university faculty.

0100 **AP ENGLISH LITERATURE & COMPOSITION** **CODE=C, F, P, L=12 U=10**

Prerequisite: Successful completion of AP English Language or English 11; total academic GPA of 3.0 or higher recommended

Content: Advanced Placement Literature/Composition is a one-year course for seniors who have demonstrated superior skills in English. To enroll in the class a student must meet a number of requirements. Students will read extensively in the various literary genres: the novel, poetry, short stories and plays. The focus of the reading is on world literature with an awareness of cultural, ethnic and gender diversity. Students will continue to develop analytical and interpretive skills. In addition to essay writing, students will read and analyze literary criticism, learn and apply literary terminology, and become more effective literary critics themselves. In preparation for the AP test, specific testing techniques will be presented. Timed writings will take place on a regular basis. In addition to receiving Redlands High School English credit for this course, students may also qualify for college credit upon successful completion of the national test for Advanced Placement Language Composition.

0096 **CONTEST SPEECH I** **CODE=B, C, F, L=9-12 U=5**

Prerequisite: Audition

Content: This course is designed for the student who is interested in the competitive speech program. Class activities include participation in the speaking events available at the competitive level. (Debate, Persuasive Speaking, Expository Speaking, Extemporaneous Speaking, Group Discussion, Oral Interpretation of Literature). There is continued stress upon principles of organization, methods of support through argument and example, and appropriate language (word usage). The class represents Redlands High School at speech tournaments within the Citrus Belt Speech Region. Class may be repeated for a maximum of 20 credits.

0097 **CONTEST SPEECH II** **CODE=B, C, F, P, L=10-12 U=5**

Prerequisite: Contest Speech I

Content: This course is a continuation of Contest Speech I. There is an increased opportunity in preparation for tournaments. Students are prepared for public appearances to give programs for community organizations. Additional opportunities for contest speaking at Invitational Tournaments and increased competition in the Citrus Belt Speech Region and the National Forensic League are also offered to the students. Class may be repeated for a maximum of 20 credits.

0080 **SCREENWRITING AS LITERATURE** **CODE=C, F, P, L=10-12 U=5**

Prerequisite: None

Content: In this semester long course students will be able to focus on an intensive writing, theory-based, advanced level course aimed at enriching the experience of aesthetic literature and storytelling concepts through the visual medium of film. The students will begin to understand film narrative by researching periods of major story evolutions with film history and looking at

many of the films that defined those periods. Students will use creative writing techniques when writing dialogue and action as well as learning how to use Final Draft, an industry standard program, to help perfect the art form in a way acceptable to professional institutions. Students will also learn best practices and advanced techniques that can be used during the writing process, and once finished students will know how to improve and distribute their screenplays. This course addresses many of the core standards for both English and CTE. **This course is offered only as staffing and scheduling allows.**

1637 **NEWSPAPER PRODUCTION** **CODE=B, C, F, L=11-12 U=10**

Prerequisite: Approval of instructor.

Content: *The Hobachi* is a laboratory experience in practical journalistic writing such as that done by newspapers and news magazines. The course provides intensive practice in writing lengthy, expository prose from 500 to 2,500 words in news, features, editorials, or sports. Each article written requires a minimum of one rough draft and sometimes two or three before the editors approve it for publication. The student should be aware that *The Hobachi*, sent all over the United States to high schools and workshops, has a readership of over 4,000. This course can be repeated for credit.

ENGLISH LANGUAGE DEVELOPMENT

0120 **ELD ENGLISH** **CODE=C, F, L=9-12 U=10**

Prerequisite: None

Content: ELD English is the highest level English Language Development course for students whose primary languages are other than English and have scored at levels 3 and 4 on the California English Language Development Test. The ELD Scope and Sequence covers ELD and ELA standards and students complete grammar exercises and read selections of literature covered in the regular English 9 curriculum. Students utilize computers in the adjoining classroom to write essays, create projects and PowerPoint presentations. They may also access Nova Net software to practice for the CAHSEE. The focus of the course is to strengthen students' academic reading and writing skills in addition to preparing them for the California High School Exit Exam and success in the regular English classroom.

0760 **ENGLISH LANGUAGE DEVELOPMENT I** **CODE=F, L=9-12 U=10**

Prerequisite: None

Content: ELD I is the beginning English Language Development class for students whose primary language is other than English and have scored at level 1 on the California English Language Development Test. The focus for ELD I students is aural/oral language development along with building vocabulary and basic reading and writing skills. Computers in the adjoining classroom are utilized by students to create written projects and also utilize the *Rosetta Stone* language program. Students attend ELD I class two hours a day.

0761 **ENGLISH LANGUAGE DEVELOPMENT II** **CODE=F, L=9-12 U=10**

Prerequisite: None

Content: ELD II is the ELD class for early intermediate English Learner students who score at level 2 on the CELDT. Students continue to develop aural/oral skills and complete more reading and writing activities. Levels I and II of the *Rosetta Stone* Language program are accessed in the adjoining classroom ELL computer lab. California ELD and ELA standards are covered as students begin to prepare for the CAHSEE. Students attend ELD II classes two hours a day.

0762 **ENGLISH LANGUAGE DEVELOPMENT III** **CODE=F, L=9-12 U=10**

Prerequisite: None

Content: ELD III is the intermediate level ELD class for students who score at level 3 of the CELDT. Students continue to focus on aural/oral skills but there is a greater focus on academic reading and writing skills. The curriculum covers English

Language Development and English Language Arts standards as outlined in the ELD Scope and Sequence to prepare students for the California High School Exit Exam.

MATHEMATICS

0349 **MATHEMATICS FOR LIVING I** **CODE=F, P, L=12 U=5**

Prerequisite: Limited to 12th grade only

Content: Topics include estimation, jobs recreation, sports, consumer purchases, checking and savings accounts and credit.

0350 **MATHEMATICS FOR LIVING II** **CODE=F, P, L=11-12 U=5**

Prerequisite: Passing Grade in Math for Living I.

Content: Topics include automotive expenses, transportation, taxes, housing, personal finance, investments, and an introduction to probability.

0425 **INTEGRATED MATH I 9** **CODE=C, F, P, L=9 U=10**

Prerequisite: None

Content: Integrated Mathematics I is the first course of a three course sequence including Integrated Mathematics I, II, and III. The fundamental purpose of the Integrated Mathematics I course is to formalize and extend the mathematics that students learned in the middle grades. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. This course focus on six critical areas: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of function; (3) deepen and extend understanding of linear relationships; (4) apply linear models to data that exhibit a linear trend; (5) establish criteria for congruence based on rigid motions; and (6) apply the Pythagorean Theorem to the coordinate plane.

0340 **INTEGRATED MATH I HONORS** **CODE=C, F, P, L=9 U=10**

Prerequisite: 3.0 or higher in prior core coursework recommended

Content: An enriched version of Integrated Mathematics I which is the first course of a three course sequence including Integrated Mathematics I, II, and III. The fundamental purpose of the Integrated Mathematics I course is to formalize and extend the mathematics that students learned in the middle grades. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. This course focus on six critical areas: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of function; (3) deepen and extend understanding of linear relationships; (4) apply linear models to data that exhibit a linear trend; (5) establish criteria for congruence based on rigid motions; and (6) apply the Pythagorean Theorem to the coordinate plane.

0427CS **INTEGRATED MATH I C-STEM/ROBOTICS** **CODE=C, F, P, L=9 U=10**

The course guides students through topics in Integrated Mathematics 1 in Common Core State Standards for Mathematics while simultaneously teaching students programming and computational thinking. Students use programming in C/C++ interpreter Ch to reinforce and extend their knowledge of mathematical concepts by analyzing real life situations, identifying given information, formulating steps that a computer program could calculate to find a solution, analyzing the results for accuracy, and revising/modifying the programming solutions as necessary. Topics covered include solving one-variable equations with multiple steps, solving and plotting absolute value equations and inequalities, linear equations, systems of linear equations and inequalities, exponential functions, statistical data analysis and visualization, arithmetic and geometric sequences, and geometric transformations, including translations, rotations, and reflections, and geometric construction. Robotics activities allow students to reenact physically derived mathematical problems through robotics technologies to visualize situations, associate linear and exponential graphs with physical phenomenon, predict and identify key features of the graphs with robotic systems, and solve robotics problems through mathematical modeling and programming.

0455CS **INTEGRATED MATH II C-STEM/ROBOTICS** **CODE=C, F, P, L=10 U=10**

The course guides students through topics in Integrated Mathematics 2 in Common Core State Standards for Mathematics while simultaneously teaching students programming and computational thinking. Students use programming in C/C++ interpreter Ch to reinforce and extend their knowledge of mathematical concepts by analyzing real life situations, identifying given information, formulating steps that a computer program could calculate to find a solution, analyzing the results for accuracy, and revising/modifying the programming solutions as necessary. Topics covered include recognizing and developing patterns using tables, graphs and equations. Mathematical modeling is stressed as a methodology for approaching the solution to problems. Students will explore operations on algebraic expressions, and apply mathematical properties to algebraic equations. Students will problem solve using equations, graphs and tables and investigate linear relationships, including comparing and contrasting options and decision-making using algebraic models. Reinforcement of topics from two-dimensional geometry is integrated into this curriculum. This includes applications from the areas and perimeters, the Pythagorean Theorem and its applications, as well as geometric proportion. Finally, introductory instruction in mathematical probability is provided to reinforce numerical modeling. Robotics technology will be used to introduce and expand upon the areas of study listed above. Robotics activities allow students to reenact physically derived mathematical problems to visualize situations, associate linear and exponential graphs with physical phenomenon, predict and identify key features of the graphs with robotic systems, and solve robotics problems through mathematical modeling and programming.

0455 **INTEGRATED MATH II** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Successful completion of Integrated Math I or IH

Content: Integrated Mathematics II is the second course of a three course sequence including Integrated Mathematics I, II, and III. The fundamental purpose of the Integrated Mathematics II course is to formalize and extend the mathematics that students learned in Integrated Mathematics I. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. This course includes all the topics addressed in the CCSS Integrated Pathway: Mathematics II content map. These include: Extending the Number System, Quadratic Functions and Modeling, Expressions and Equations, Applications of Probability, Similarity, Right Triangle Trigonometry, Proof, and Circles With and Without Coordinates.

0456 **INTEGRATED MATH II-HEART** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Successful completion of Integrated Math I or IH

Content: See #0455 Integrated Mathematics II

0457 **INTEGRATED MATH IIH** **CODE=C, F, P, L=9 U=10-12**

Prerequisite: 3.0 Academic GPA in prior coursework recommended, including Integrated Math IH OR a “B” grade or higher in Integrated Math I; successful completion of the Summer Bridge class if student took Integrated I

Content: An enriched version of Integrated Mathematics II which is the second course of a three course sequence including Integrated Mathematics I, II, and III. The fundamental purpose of the Integrated Mathematics II course is to formalize and extend the mathematics that students learned in Integrated Mathematics I. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. This course includes all the topics addressed in the CCSS Integrated Pathway: Mathematics II content map and two units from the Mathematics III content map. These include: Expressions and Equations, Applications of Probability, Similarity, Right Triangle Trigonometry, Proof, and Circles with and Without Coordinates, Inferences and Conclusions from Data, Polynomial Relationships, Rational and Radical Relationships, and Radians and the Unit Circle.

0465 **INTEGRATED MATH III** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Successful completion of Integrated Math II

Content: Integrated Mathematics III is the third course of a three course sequence including Integrated Mathematics I, II, and III. The fundamental purpose of the Integrated Mathematics III course is to formalize and extend the mathematics that students learned in Integrated Mathematics I and Integrated Mathematics II. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, Trigonometry, and Statistics and Probability. This course includes all the topics addressed in the CCSS Integrated Pathway: Mathematics III content map. These include: Inferences and Conclusions from Data, Polynomial Relationships, Rational and Radical Relationships, Trigonometry of General Triangles and Trigonometric Functions, Mathematical Modeling of Inverse, Logarithmic, and Trigonometric Functions, AND Mathematical Modeling and Choosing a Model.

0467

INTEGRATED MATH III H

CODE=C, F, P, L=9 U=10-12

Prerequisite: 3.0 Academic GPA in prior coursework recommended, including Integrated Math III H OR a “B” grade or higher in Integrated Math II; successful completion of the Summer Bridge class if student took Integrated II

Content: Integrated Mathematics III H is the third course of a three course sequence including Integrated Mathematics I, II, and III. The fundamental purpose of the Integrated Mathematics III H course is to formalize and extend the mathematics that students learned in Integrated Mathematics I and Integrated Mathematics II. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, Trigonometry, and Statistics and Probability. This course includes all the topics addressed in the CCSS Integrated Pathway: Mathematics III content map. These include: Inferences and Conclusions from Data, Polynomial Relationships, Rational and Radical Relationships, Trigonometry of General Triangles and Trigonometric Functions, Mathematical Modeling of Inverse, Logarithmic, and Trigonometric Functions, AND Mathematical Modeling and Choosing a Model. The CCSS IP Honors Supplement for Math I, Math II, and Math III, introduces and explores in more depth the concepts of: Matrices and Vectors, Probability Distributions, Using Matrices to Solve Systems of Equations, Complex Numbers, Conic Sections, Cavalieri’s Principle, Rational Functions, Building Functions, and Trigonometry.

0351

TRIGONOMETRY

CODE=C, F, P, L=12 U=10

This one-year course will emphasize the study of functions described by angles and distances. Topics include the solutions of right and oblique triangles, radian measure, graphing trig functions, proving trigonometry equations, vectors, logs, and polar coordinates. The second semester will also include a 10-week study of sets, points, lines, planes, properties of three dimensional solids, and volumes.

0348

MATH ANALYSIS

CODE=C, F, P, L=11-12 U=10

Prerequisite: Completion of Math III with a grade of "B" or better is recommended

Content: This one-year course will cover topics from all areas in mathematics and serve to give the student a good foundation for success in calculus. Studies include polynomial, rational, exponential, logarithmic, inverse, and trigonometric functions. Also included are parametric equations, polar coordinates, sequences, series, probability, conic sections, topics in discrete math, and an emphasis on graphing. The graphing calculator is used as an integral tool throughout the year.

0354

AP CALCULUS AB or BC

CODE=C, F, P, L=11-12 U=10

Prerequisite: Successful completion of Math III H, an “A” in Math III or Math Analysis

Content: This one-year course includes the study of limits, derivatives, definite and indefinite integrals. The course requires the use of the graphing calculator. Problems are presented so that calculus concepts become intuitively understood. Students are expected to take the AP Calculus exam.

0360

AP STATISTICS

CODE=C, F, P, L=11-12 U=10

Prerequisite: Successful completion of Math III is recommended

Content: This one-year course, AP Statistics, will follow the specific topics outlined in the AP syllabus. The field of statistics is defined as the science of collecting, organizing and summarizing data in such a way that valid conclusions can be drawn from them. Students are expected to take the AP Statistics Exam.

SCIENCE

0634

EARTH SCIENCE

CODE=C, F, L=9-12 U=10

Prerequisite: None

Content: Earth Science is an interdisciplinary course that uses basic biology, chemistry, physics and mathematics to study the planet earth. Students learn about geology, astronomy, meteorology, and oceanography by participating in laboratory activities and class projects which are simulations of real world problems. This course provides college-bound and non-college-bound students with the background to make sound environmental decisions.

0630 ENVIRONMENTAL SCIENCE CODE=C, F, P, L=11-12 U=10

Prerequisite: Biology and/or Earth Science recommended

Content: Environmental Science is a multi-disciplinary course based on current environmental issues. A thematic approach will be used to integrate ideas and concepts from various subject areas needed to understand and propose solutions to problems. Student-directed cooperative projects, with an emphasis on hands-on experiences will be used to teach the underlying concepts needed to understand the environmental relationships involved in the issues studied. Projects may involve worldwide, national, state, local, or school-wide issues.

0663 AP ENVIRONMENTAL SCIENCE CODE=C, F, L=11-12 U=10

Prerequisite: Successful completion of Biology and Chemistry is recommended

Content: The goal of the AP Environmental Science course is to provide you with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

0635 BIOLOGY CODE=C, F, L=9-12 U=10

Prerequisite: None (3.0 academic GPA recommended for grade nine students.)

Content: This is a survey course of living organisms and biological processes with correlated laboratory experiments and demonstrations. This class meets UC A-G pattern classes as a lab science

0636 BIOLOGY HONORS CODE=C, F, L=9-12 U=10

Prerequisite: 3.0 or higher in prior core coursework is recommended

Content: An enriched version of the survey course that studies living organisms and biological processes with correlated laboratory experiments and demonstrations. This class meets UC A-G pattern classes as a lab science.

0625 BIOLOGY – HEART ACADEMY CODE=C, F, P, L=9 U=10

(Same prerequisites and content as Biology #0626; HEART Academy enrollment required.)

0646 AP BIOLOGY CODE=C, F, P, L=10-12 U=10

Prerequisite: Successful completion of Biology/Biology H and Chemistry; an academic GPA of 3.0 or higher is recommended

Content: AP Biology is a second year advanced course in biology. The curriculum emphasizes detailed study of concepts and curricular areas introduced in prerequisite courses. The detailed study also includes enhanced and complex laboratory experiences utilizing current technology and techniques. Students are expected to take the Advanced Placement exam in Biology.

0640 ANATOMY AND PHYSIOLOGY CODE=C, F, P, L=10-12 U=10

Prerequisite: One year of biology or chemistry with a grade of "C" or better is recommended

Content: A detailed study of the structures, functions and mechanisms of the human body's major systems, i.e.-integumentary skeletal, muscular, nervous, endocrine, circulatory, respiratory, digestive, urinary, and reproductive. Laboratory work and research work will be emphasized. This course is intended and recommended for the college-bound student.

0637 CHEMISTRY CODE=C, F, P, L=10-12 U=10

Prerequisite: Enrollment Integrated Math II or higher math course is recommended

Content: A mathematical study of the basic laws and theories of chemical and physical change. The course includes the concept of the mole, bonding theory, chemical energy, gas laws, acid-base theory, oxidation-reduction, modern atomic theory and

study of simple organic molecules. Laboratory work will be correlated to course content and students will learn basic laboratory skills and techniques needed to do experimentation. Recommended for college-bound students.

0639 **CHEMISTRY H** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: An “A” in Biology 9 (or an “A” or “B” in Biology 9H), and concurrent enrollment in Math II H or higher is recommended

Content: A more in depth study of the mathematical study of the basic laws and theories of chemical and physical change. The course includes the concept of the mole, bonding theory, chemical energy, gas laws, acid-base theory, oxidation-reduction, modern atomic theory and study of simple organic molecules. Laboratory work will be correlated to course content and students will learn basic laboratory skills and techniques needed to do experimentation. Recommended for college-bound students.

0647 **CHEMISTRY – HEART ACADEMY** **CODE=C, F, P, L=9 U=10**

(Same prerequisites and content as Chemistry #0637; HEART Academy enrollment required.)

0645 **AP CHEMISTRY** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Successful completion of Biology/Biology H and Chemistry/H; an academic GPA of 3.0 or higher is recommended

Content: This course is a second year advanced course in chemistry equivalent to a first year college or AP chemistry course covering the basic laws and theories of Chemistry including thermodynamics. This course will emphasize chemical calculations and analytical analysis of laboratory experiments. Recommended for college-bound students entering the area of science, math and engineering. Students are expected to take the advanced placement exam in Chemistry.

0641 **PHYSICS** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Concurrent enrollment in Integrated Math II or the equivalent

Content: Physics provides a survey of mechanics, optics, electromagnetism and atomic physics in a manner appropriate to a student taking physics for the first time. This course will concentrate on the major concepts of physics in order to develop an intuitive understanding of the physical world. The course emphasizes laboratory experience and practical uses of physics. The course fulfills the UC and Cal State requirement for a physical lab science.

0642 **PHYSICS E** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Completion of Integrated Math III or concurrent enrollment in Math IIIH

Content: This course is an in-depth study of mechanics and electromagnetic theory. This course will use a calculus-based approach to problem solving and experiments correlated to the course of study.

0673 **AP PHYSICS 1** **CODE=C, F, P, L=11-12 U=10**

Prerequisite: A or B in Physics or Physics E AND concurrent enrollment in Calculus or Statistics
NOTE: Due to master schedule and enrollment limitations, this course may not be offered every year.

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. AP Physics 1 is a full-year course that is the equivalent of a first-semester introductory college course in algebra-based physics.

#0669 **AP PHYSICS C: MECHANICS** **CODE=C, F, P, L=11-12 U=10**

Prerequisite: A or B in Physics or Physics E AND concurrent enrollment in Calculus or Statistics
NOTE: Due to master schedule and enrollment limitations, this course may not be offered every year.

Content: AP Physics C is equivalent to a first-year college physics course and is designed to prepare students for the AP Physics C Mechanics test. The course follows the syllabus for that examination and students passing the exam may receive college

completion of the course meets the requirements for high school graduation. Students are expected to take the College Board Exam in May to earn possible college credit.

0198 **ECONOMICS** **CODE=C, F, L=12 U=5**

Prerequisite: None

Content: Economics is a one-semester, five-unit course of study which introduces the students to the need for effective decision making. Microeconomic and macroeconomic units are studied and students will use tools of analysis to understand economic concepts and relationships. Throughout the course, contemporary and global economic issues are incorporated into the curriculum.

0202 **ADVANCED PLACEMENT MACRO-ECONOMICS** **CODE=C, F, P, L=12 U=5**

Prerequisite: A total academic GPA of a 3.0 or higher is recommended

Content: This is a one-semester course offered in the spring designed to provide students with a sound understanding of basic economic concepts and theory. Among the topics covered are scarcity and allocation of resources, economic systems, supply and demand analysis, theory of the firm, market structure and performance, and cost/benefit analysis. Students enrolled in this course are also expected to enroll in the AP American Government and Politics course. Successful completion of this course meets requirements for high school graduation. Students are encouraged to take the College Board Exam in May to receive possible college credit.

0200 **ADVANCED PLACEMENT MICRO-ECONOMICS** **CODE=C, F, P, L=12 U=5**

Prerequisite: A total academic GPA of a 3.0 or higher is recommended

Content: This is a one-semester course offered in the spring designed to provide students with a sound understanding of basic economic concepts and theory. Among the topics covered are scarcity and allocation of resources, economic systems, supply and demand analysis, theory of the firm, market structure and performance, and cost/benefit analysis. Students enrolled in this course are also expected to enroll in the AP American Government and Politics course. Successful completion of this course meets requirements for high school graduation. Students are expected to take the College Board Exam in May to receive possible college credit.

0213 **AP ART HISTORY** **CODE=B, C, P, L=10-12 U=10**

Prerequisite: 3.0 Academic GPA recommended

Content: AP Art History attempts to provide a broad overview of the history of art, primarily Western art because of time constraints, beginning with prehistoric art and ending with art of the 20th century. It is intended to provide for students a familiarity with the development of art, its major movements and figures, and its relationship to the historical period in which it was created, and to make their encounters with art, whether historical or contemporary, more meaningful, comprehensible, and pleasurable. The course curriculum follows that provided by most college survey texts and that outlined in the AP Course Description for Art. No prior experience in art is necessary. Successful completion of this course meets the A-G requirements for the UC system in fine arts. In addition to receiving Redlands High School credit for this course, students may also qualify for college credit upon successful completion of the national test for Advanced Placement Art History.

0212 **ADVANCED PLACEMENT PSYCHOLOGY** **CODE= B, C, P, L=10-12 U=10**

Prerequisite: A total academic GPA of a 3.0 or higher is recommended

Content: This is a one-year course elective designed to introduce students to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. Students should develop some basic concepts of psychology and an historical perspective on psychology as the study of individual behavior. Students are encouraged to take the College Board Exam in May to earn possible college credit.

0171 **AP HUMAN GEOGRAPHY** **CODE= B, C, P, L=9-12 U=10**
(TELEPRESENCE: Can be held as a classroom-wide SKYPE or FACETIME Session)

Prerequisite: A total academic GPA of a 3.0 or higher is recommended

Content: This is a year-long course designed to meet the requirements of a semester-long introductory human geography course at the college level. Human Geography is the study of interactions between people of different cultures and ethnicities and how they contribute to the ever-changing cultural landscape on our planet. Through the analysis of specific case studies, the course will integrate concepts used to interpret geo-politics, economics, world health, population, language, religion, agricultural land use, urban development, sustainability and energy. Students will use GIS applications to demonstrate mastery, as well as contemporary applications of research and learning. Students are expected to take the College Board Exam in May to earn possible college credit.

FOREIGN LANGUAGE

0866 **ASL I** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: Must have the function of at least one hand.

Content: American Sign Language skills are important in all customer service related occupations, and the demand for interpreters is growing. In this class, students will learn the fundamentals of sign language while developing an understanding and appreciation for the Deaf Culture and Community. Students will learn basic signing techniques for the alphabet, numbers, and words. Students will practice dialog and will demonstrate basic comprehension skills through applications of conversation. Students will learn about interpreting as a career option and related certification requirements. Worksite learning is an optional component of this course and is available to eligible students. This course meets the a-g requirements for the first year of a foreign language.

0861 **ASL II** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: Must have the function of at least one hand; successful completion of ASL I

Content: American Sign Language (ASL) skills are important in all customer service related occupations, and the demand for interpreters is growing. This course provides a second level of training for those who wish to extend their knowledge, skills and abilities in ASL and pursue a career as an interpreter. Students will increase fluency of ASL and be able to use it receptively and expressively by giving and understanding of directions, use of facial expression, body language and other special aspects of ASL conversation. The culture of the Deaf Community will be studied and students will learn about interpreting as a career option, advanced training and certification requirements. Worksite learning is an optional component of this course and is available to eligible students. This course meets the a-g requirements for the second year of a foreign language.

0860 **FRENCH I** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: A "B" average the previous year in English is recommended.

Content: A basically functional approach to the French language. Proficiency is acquired through vocabulary, and grammatical structures. Audio and video tapes are utilized to perfect pronunciation and comprehension of everyday situations, as well as to create an appreciation of the cultural heritage.

0870 **FRENCH II** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Successful completion of French I ("C" average or better is recommended)

Content: French Two provides the necessary skills (speaking, reading, writing and comprehension) to attain a moderate level of proficiency. Emphasis is placed on cultural differences and similarities by means of authentic documentation.

0871 **FRENCH III** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Successful completion of French II ("C" average or better is recommended)

Content: French Three provides the necessary skills (speaking, reading, writing and comprehension) to attain a comfortable level of proficiency. Emphasis is placed on cultural diversity. In addition, the course introduces the history and literature of French-speaking nations.

0885 **AP FRENCH LANGUAGE AND CULTURE** **CODE=C, F, P, L=11-12 U=10**

Prerequisite: Approval by instructor

Content: The AP French Language and Culture course provides students with opportunities to demonstrate their proficiency at the Intermediate to Pre-Advanced range in each of the three modes of communication described in the *ACTFL Performance Descriptors for Language Learners*. Students are expected to: Engage in spoken interpersonal communication; Engage in written interpersonal communication; Synthesize information from a variety of authentic audio, visual, and audiovisual resources; Synthesize information from a variety of authentic written and print resources; Plan, produce, and present spoken presentational communications; and Plan and produce written presentational communications. Students have the opportunity to take the AP French College Board exam in May. Availability based upon staff and course requests.

0876 **LATINI** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: At least a "C" average in English is recommended

Content: Study of Latin grammar and vocabulary; reading of simple Latin stories that provide an introduction of Roman life and mythology; and an acquaintance with cultural resource material, recognizing the close relationship between English and Latin. Video/films/documentaries from A&E, PBS, National Geographic, History Channel, BBC will illustrate the material covered in the various chapters.

0877 **LATIN II** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: A "C" or higher in Latin I is recommended

Content: A review and a completion of basic grammar. Reading of Latin stories about Roman life, myths, and Caesar's Gallic Wars. Appreciation of the influence of Roman civilization in the language and institutions of the contemporary society. Video/films/documentaries from A&E, PBS, National Geographic, History Channel, BBC will illustrate the material covered in the various chapters.

0878 **LATIN III** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: A "C" or higher in Latin II is recommended

Content: A review of basic grammar and advanced grammar. Reading of Latin stories about Roman life, myths, and Caesar's Gallic Wars. Appreciation of the influence of Roman civilization in the language and institutions of the contemporary society. Video/films/documentaries from A&E, PBS, National Geographic, History Channel, BBC will illustrate the material covered in the various chapters.

0880 **LATIN IV** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: A "C" or higher in Latin III is recommended

Content: A review of advanced grammar. Reading of Latin stories about Roman life, myths, and Caesar's Gallic Wars. Appreciation of the influence of Roman civilization in the language and institutions of the contemporary society. Fourth quarter to include classical literature in translation for a unit in Logic and Ethics. Video/films/documentaries from A&E, PBS, National Geographic, History Channel, BBC will illustrate the material covered in the various chapters.

0845 **AP LATIN** **CODE=C, F, P, L=11-12 U=10**

Prerequisite: Successful completion of Latin III and/or approval by instructor

Content: The AP Latin course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Gallie War*. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context.

0855 **SPANISH FOR NATIVE SPEAKERS** **CODE=C, P, F, L=9-12 U=10**

Prerequisite: Students must be native Spanish speakers and be literate in Spanish. Teacher recommendation will be utilized if warranted.

Content: Spanish for Native Speakers is an elective course in which students whose first language is Spanish speak, read, and write in Spanish to develop and strengthen academic skills. It is designed for Spanish speaking LEP students to develop conceptual/linguistic proficiency that strongly relates to the development of English literacy. Students will read a variety of literature in Spanish and respond to the readings through integrated listening, speaking, and writing activities. Spanish grammar, spelling, and punctuation will be covered and students will learn study skills.

0864 **SPANISH I** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: At least a "B" average in English is recommended

Content: Students will be exposed to the four basic elements of foreign language study: listening, speaking, reading and writing. Oral participation and grammatical structure are stressed. Learning the culture of Spanish speaking peoples is part of the course.

0888 **SPANISH 2.1** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: A minimum of a "C" in Spanish I is recommended

Content: This is a carefully-paced course teaching all four communicative skills, listening, speaking, reading and writing, with communicative objectives provided for both new word sections and grammar. A strong, cultural strand provides richness and diversity into the Spanish-speaking world. This class fulfills the second year requirements of a foreign language.

0868 **SPANISH II** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Successful completion of Spanish I

Content: The major emphasis of this college preparatory course is syntax and formation of verb tenses. The course will provide the necessary practice to attain an intermediate level of proficiency in the areas of reading, writing, listening, and speaking in Spanish in a variety of verb tenses. This course examines cultures of Spanish-speaking countries and students have several opportunities to compare/contrast their culture with those studied.

0882 **SPANISH III** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Successful completion of Spanish II

Content: This course includes: 1) A thorough review of grammar with expanded vocabulary. 2) The introduction of short stories and literature for comprehension, discussion and creative writing. 3) Advanced communication activities that include skits, individual presentations, and free response.

0885 **AP SPANISH LANGUAGE AND CULTURE** **CODE=C, F, P, L=11-12 U=10**

Prerequisite: Successful completion of Spanish III, Native Speakers or approval by instructor

Content: The course covers the equivalent of a third year college course in advanced Spanish composition and conversation. It is intended for those who have chosen to develop their proficiency in Spanish without special emphasis on literature. Communicative skills are developed through directed essay, lab work and selected short stories and plays. It is expected that all those enrolled will challenge the Advanced Placement exam in early May.

PHYSICAL EDUCATION

0509 **CO-EDUCATIONAL** **CODE=G, L=9 U=5**
PHYSICAL EDUCATION – GRADE 9

Prerequisite: No prerequisite.

Content: Activities include: football, flag football, soccer, swimming, scuba, golf, hustle ball, volleyball, weight training, aerobics, lacrosse, volley tennis. All classes will include health related fitness instruction, practice and testing for improvement. P.E. uniform is required. Please refer to your teacher for details regarding the uniform.

0510 **CO-EDUCATIONAL** **CODE=G, L=10-12 U=5**
PHYSICAL EDUCATION

Prerequisite: No prerequisite.

Content: Activities include: soccer, swimming, scuba, golf, badminton, tennis, handball, hustle ball, volleyball, weight training, aerobics, black top hockey. All classes will include health related fitness instruction, practice and testing for improvement. P.E. uniform is required. Please refer to your teacher for details regarding the uniform.

VISUAL AND PERFORMING ARTS

1312 **ART CP** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: None

Course: Students will explore art fundamentals, which include the elements and principals of design, basic drawing and painting, and additional studio exercises. Students will also explore how art and the arts in their world connect to the past, and to other cultures. In addition to curriculum typically offered Art CP will also include an academic component in keeping with the guidelines required by UC and CSU. Students will be responsible for textbook work, homework, note taking, research, and written projects. Units of study will include subjective and objective assessments including comprehensive examinations, and a cumulative project portfolio requirement.

1300 **ADVANCED STUDIO ART** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Art CP, or teacher recommendation

Content: Advanced Studio Art, a year course, allows students to apply the basic art concepts to the creation of art projects using a variety of materials and techniques. Special emphasis is placed on drawing and painting: watercolor, mixed media-collage, ink, charcoal, painting, scratch board, life drawing, illustration and graphic art. Students are encouraged to interpret projects using their own creative expression with additional attention to the history of Art and the art of their own and diverse cultures. Students will work toward the development of their own personal art concentration and will prepare a portfolio of their work. This is a fee class; fees are charged for student projects taken home and kept by the student. Fee reductions and waivers can be arranged with the teacher if necessary.

1317 **ADVANCED STUDENT SEMINAR** **CODE=F, P, L=10-12 U=20**

Prerequisite: Teacher Permission

Content: Advanced Student Seminar is available to students who have already completed a CP year-long course. It allows students to concentrate at an advanced level on a specific study of art (ex: sculpture, ceramics). Students who take this course must be extremely motivated and able to work independently. Students will create a contract with the teacher that details the expectations and goals for artistic growth. The amount of assignments will be based upon the depth and complexity of the contract. As the semester progresses, the teacher and student will collaborate to constantly examine student growth and artistic direction.

1276 **AP STUDIO ART-DRAWING** **CODE=B, C, F, P, L=11-12 U=10**

Prerequisite: Successful completion of Adv. Studio Art and/or teacher approval

Content: This course provides an in-depth study of techniques used in the creation of drawings, paintings, graphics and three-dimensional projects. Also included will be an in-depth study of individual creative concepts. Quality art work and proper modes of presentation will be expected. Grading criteria is based on College Board standards for studio art portfolios. This is a fee class; fees are charged for student projects taken home and kept by the student. Fee reductions and waivers can be arranged with the teacher if necessary. Course can be taken 2-years for credit.

1277 **AP STUDIO ART-2D** **CODE=B, C, F, P, L=11-12 U=10**

Prerequisite: Successful completion of Adv. Studio Art and/or teacher approval

Content: The 2-D Design portfolio addresses two-dimensional design issues and involves decision making about how to use the elements and principles of art in an integrative way. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses

1278 **AP STUDIO ART-3D** **CODE=B, C, F, P, L=11-12 U=10**

Prerequisite: Successful completion of Adv. Studio Art and/or teacher approval

Content: Explore sculptural issues and understand 3-D design principles as they relate to the integration of depth and space, volume and surface. Demonstrate mastery through any three-dimensional approach, such as figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glass work, installation, assemblage and 3-D fabric/fiber arts. Develop technical skills and familiarize yourself with the functions of visual elements as you create an individual portfolio of work for evaluation at the end of the course.

1316 **SCULPTURE CP** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: None

Content: Sculpture CP is a one-year course where students will explore art fundamentals through sculptural techniques, which will include the elements of art and principles of design, basic construction and design, and additional studio exercises. Students will also explore how sculpture and the arts in their world connect to their past, and to their cultures. Sculptural assignments will be completed through the process of sketching, maquettes (small studies) and hands on construction. Final sculpture will be completed with the intention of being shown at the end of the year exhibit. In addition to curriculum typically offered in a sculpture class students will learn to discuss and appreciate art through the use of written critiques. These critiques will serve as study models for a larger paper, which will be completed at the end of the year. This course is aimed at fulfilling the most recent criterion of the University of California's "F" requirement.

1315 **DRAWING CP** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: None

Content: The course introduces the studio arts pertaining to drawing. The course will emphasize the basic elements of art. Various drawing and techniques will be introduced to the student. The student will have the opportunity to create works in various mediums. Students will also gain the ability to analyze and respond to various works, including their own. Furthermore, students will be introduced to numerous cultural and historical styles and motifs. Through critiques, students will display the ability to aesthetically value and appreciate works of art, as well as understand the relationship between art, culture, and history.

1284 **CERAMICS CP** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: None

Content: This year-long ceramics course will explore art fundamentals through ceramics techniques, which will include the elements and principles of design, basic construction and design and additional studio exercises. Students will also explore how ceramics and the arts in their world connect to their past, and to their culture. In addition to curriculum typically offered in Beginning Ceramics and Advanced Ceramics, Ceramics C/P will also include an academic content in keeping with the guidelines required by UC and CSU. Students will be responsible for textbook work, homework, note taking, research and written projects. Units of study will include subjective and objective assessment including comprehensive examinations, and a cumulative project portfolio requirement.

1283 **CERAMICS ADVANCED** **CODE=C, F, P, L=10-12 U=5/10**

Prerequisite: Sculpture CP, Ceramics CP or Teacher recommendation

Content: This course includes advanced ideas and techniques in both hand and wheel construction, utilization of all construction methods introduced in Ceramics I (i.e., assemblage, appliqué, coil, sculptural form, slab form and glaze formation). During the first semester emphasis is placed on the potter's wheel. Experimentation with glaze composition and clay make-up is taught. During the second semester previous hand construction methods will be emphasized. This is a fee class; fees are charged

for student projects taken home and kept by the student. Fee reductions and waivers can be arranged with the teacher if necessary. This course may be taken 4-semesters for credit.

1550 **VARSITY CHORUS** **CODE=F, L=9-12 U=10**

Prerequisite: None

Content: This course, open to tenor/bass voicings grades 9-12, includes development of good vocal habits, the study of both sacred and secular traditional classical/pop music, and the development of the ability to read and interpret music. Participation in concerts given for school and community groups and choral festivals is required. This course meets the graduation requirement for Visual/Performing Arts, however it DOES not meet the “f” requirement for entry into the UC/CSU systems.

1553 **CANTARE ENSEMBLE** **CODE=F, L=9-12 U=10**

Prerequisite: None

Content: This course, open to soprano/alto voicings grades 9-12, includes development of good vocal habits, the study of both sacred and secular traditional classical/pop music, and the development of the ability to read and interpret music. Participation in concerts given for school and community groups and choral festivals is required. This course meets the graduation requirement for Visual/Performing Arts, however it DOES not meet the “f” requirement for entry into the UC/CSU systems.

1549 **LES CHANTEUSES ENSEMBLE** **ODE=C, F, P, L=9-12 U=10**

Prerequisite: Selection by audition.

Content: The course open to soprano/alto voicings grades 9-12, includes development of good vocal habits, the study of both sacred and secular music, and the development of the ability to read and interpret music. The use of a staged pop show choir set will enhance the study of popular music. Participation is required in concerts, festivals and show-choir competitions for school and community groups.

1530 **CHAMBER SINGERS** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Selection by audition.

Content: The course, open to soprano/alto/tenor/bass voicings grades 11-12 only, includes development of good vocal habits, the study of sacred/secular and traditional-classical pop music, and the development of the ability to read and interpret music. Participation is required in concerts, choral festivals, and competitions for school and community groups.

1536 **SYMPHONIC BAND** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: An interest in instrument music and knowledge of instrumental techniques.

Content: A non-auditioned band open to all students who play woodwind, brass or percussion. Symphonic band encourages the intermediate student to continue improving in the musical areas of sight reading, intonation and note identification. Symphonic band plays band literature of level C and B ability. The symphonic band travels and performs at area band festivals during second semester.

1535 **WIND ENSEMBLE** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Selection by audition from members of the band.

Content: A small, select group of serious students of wind and percussion instruments, fully instrumented and individually independent, study and performing the best class A and class AA literature available for wind band. This group performs many concerts as well as being involved in festivals. Enrollment is approximately 45 students.

1537 **STRING ENSEMBLE** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Selection by audition.

Content: String Ensemble is a year-long course which will provide the string student (violin, viola, cello, bass) an opportunity to perform various styles of music within each musical period: Romantic, Classical, Contemporary. This course will also teach the student proper playing technique and performance practice.

1552 **ADVANCE STRING ENSEMBLE** **CODE=C, F, P, L=10-12 U=10**

Prerequisite: Selection by audition

The Advanced String Ensemble is an audition-only string ensemble. Students will study string orchestral literature from different time periods and develop advanced technical skills on their string instruments. Students will study and have a greater understanding of music theory, historical performance practices and string performance terminology as they develop a more advanced level of musical skill. Advanced level musical skills include rehearsing in individual sections without a conductor, learning to cue and communicate with each other as well as building a greater understanding of the role each performer plays in a small ensemble. Advanced technical skills include appropriate fingerings and vibrato for musical expression, shifting techniques, building better intonation and applying various advanced bowing techniques. Advanced chamber performance proficiency includes demonstrating musical cohesiveness in the small ensemble while applying balance between parts, adjusting tempi and using appropriate performance practices in the study of music from various time periods.

1539 **MARCHING BAND** **CODE=F, L=9-12 U=5**

Prerequisite: Open to all students. Selection by director.

Content: The R.H.S. Terrier Marching Band is composed of woodwind, brass and percussion participants of the music program as well as color guard members (flags and rifles) selected by audition in the prior spring. It functions primarily in the fall by representing the Music Department and the school in half-time shows for home football games and in selected competitive events.

1538 **JAZZ ENSEMBLE** **CODE=C, F, P, L=10-12 U=5**

Prerequisite: Selection by audition from members of the band program or by permission of the instructor.

Content: A select group of 18-23 students dedicated to the study and performance of representative jazz literature from the 1940's through the 1970's.

1566 **PIANO CP** **CODE=C, F, P, L=9-12 U=10**

Prerequisite: None.

Content: In this introductory piano course students study the elements of music (melody, harmony, rhythm, and form) and how they are used to create style. Students will be introduced to different genres of music for the piano including classical, Jazz, and Popular music; and learn to identify musical elements unique to those styles. They will also study the historical period in which the genre was developed, as well as the roles of musicians in those periods. In addition, students will prepare rhythmic exercises and complete lessons in music theory. Emphasis is placed on learning and appropriately using musical terminology, reading music, sight reading, and developing musicianship in both solo and ensemble playing. Students will be required to participate in in-class performances and in two final recitals, one midway through the year, and another at the end of the year. Designed to present an overview of the musical principles and theories as they relate to piano, and to develop the student's technical skills as they relate to the instrument.

1542 **PIANO I** **CODE=F, L=9-12 U=5**

Prerequisite: None

Content: The Piano I course is designed to introduce the basic fundamentals of the piano keyboard to students. Piano I teaches keyboard technique and music reading. Weekly performance tests are administered to evaluate each student's progress in the class.

1564

THEATRE ARTS CP

CODE=C, F, L=9-12 U=10

Prerequisite: None

Content: Theatre Arts is a first year college prep course that introduces the student to basic theatre concepts including acting, directing, play production, dramatic criticism, improvisation, and ensemble techniques. The first semester provides an overview and builds a foundation. The second semester builds on the first and concentrates on developing skills and techniques. Emphasis is placed, in the second semester, on acting and creating characterization through the study of vocalization and physicalization. This is a performance-based course. Participation in an end of the year production is mandatory.

1546

DRAMA II - ACTING

CODE=B, C, F, P, L=10-12 U=5

Prerequisite: Successful completion of Theatre CP with an A or B and instructor approval.

Content: This one semester course builds on the foundations established in Drama I. The curriculum includes building acting skills and techniques. Emphasis is placed on characterization through analysis and the study of vocal and physical character. This is a performance-based class. The semester exam includes an evening performance.

1544

DRAMA II - DIRECTING

CODE=B, C, F, P, L=11-12 U=5

Prerequisite: Successful completion of Theatre CP with an A or B and instructor approval. Completion of Advanced Acting is recommended. Class is limited to juniors and seniors.

Content: This one semester course builds on the foundations established in Drama I. The curriculum includes developing directing techniques. Emphasis will be placed on staging, composition, rhythm and production organizational skills. Students will direct two projects for presentation at an evening performance.

1547

DRAMA III

CODE=B, C, F, P, L=11-12 U=5

Prerequisite: Successful completion of Drama II - Advanced Acting with an A or B and instructor approval. Class is limited to juniors and seniors.

Content: Building on the skills learned in Drama I and Drama II - Advanced Acting, the student will expand dramatic performance skills in this one semester course. Drama III will select from acting styles and historical influences from Greek/Roman Era through to the 20th Century.

1562

ADVANCED PRODUCTION ENSEMBLE (Masquers)

CODE=P, L=11-12 U=10

Prerequisite: Successful completion of Drama II - Advanced Acting or Directing or Play Production II. Audition is required for actors and portfolio presentations required for technicians. This course is limited to juniors and seniors and is offered period seven.

Content: The curriculum includes ensemble techniques, advanced acting and performance, directing and play production. Emphasis will be placed on developing production skills. Students will present a fall production and a spring production as well as developing improvisation techniques for a road show. Positions are available for actors, directors, and technicians. Can be repeated for credit.

0964

MULTIMEDIA DESIGN CP

CODE=C, L=9-12 U=10

Prerequisite: None

Content: This one-year introductory level multimedia course uses an integrated/correlated curriculum and has a balanced emphasis on the standards. Students express themselves both creatively and visually. They learn the art elements as a basic language of art and begin to learn basic art techniques through digital applications like The Gimp. The purpose is to enable students to understand and appreciate artistic expression through multimedia, and to talk and write with discrimination about the media studied. The goal is to educate students in the art, craft, and technology of multimedia including image manipulation and web site design. The second semester is focused on video production and animation. Students learn a variety of techniques and media applications including animation, non-linear digital video editing. The class offers intensive hands-on production through project-based assignments. The course strives to nurture individual talent and skills, and encourage students to become creative, and thoughtful practitioners in the world of computer media.

1466 **AUTOMOTIVE REPAIR, ADVANCED (ROP)** **CODE=P, L=9-12 U=5/20**

Prerequisite: Auto Shop I

Content: Auto General Service Tech II prepares students for employment where a broad skill set, and general understanding of all automotive systems are required. Students will identify common tools and equipment, know a variety of sources of service information, and perform basic vehicle service and maintenance related to engine performance, transmissions, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, and customer service procedures at an advanced level. There is an emphasis on safety in the workplace related to use of protective eye wear/clothing, general lab procedures, use of equipment, and ventilation. Successful demonstration of Automotive General Service Technician competencies will assist students with National Automotive Technicians Education Foundation (NATEF) certification. Activities in this course include work-based learning that connects students to industry and the local community. A student must successfully complete at least two years of this program as part of the minimum requirements for articulation for college credit.

1352 **CAREERS IN EDUCATION AND PUBLIC SERVICE** **CODE=C, L=11-12 U=20**

Prerequisite: None

Content: This is a year-long elective course designed to introduce students to principles of effective teaching, classroom management, academic intervention, school governance, and employability, interpersonal, and leadership skills, while allowing students to explore career opportunities. Students participate in work-based learning at local elementary schools and prepare for careers in education and public service.

1350 **COLLEGE AND CAREER FOUNDATIONS** **CODE=C, L=9 U=10**

Prerequisite: None

Content: College and Career Foundations is a year-long course designed to help students learn and practice valuable skills to help them to be career and college ready. Students will demonstrate their understanding of career paths through a variety of assessments, projects, job simulations, speeches, research assignments, online portfolio, and a research paper. Students will identify academic interests, skills, values and personality types, research employers and industries, gain experience with public speaking and interview skills, familiarize themselves with college and job search tools, strengthen writing skills, learn goal setting, solidify research techniques, and write a research paper utilizing correct MLA format. AVID strategies are interwoven throughout the units of study. As an additional support, classes should access the librarian-teacher and college-career teacher regularly.

1174 **FOODS** **CODE C, L=10-12 U=10**

Prerequisite: None

Content: This year-long course gives students a hands-on education in the basic principles of nutrition, essential food storage, sanitation, safe food handling, and techniques and procedures related to meal planning. In addition to preparing and planning meals, students will discover food preparation techniques, etiquette, and traditions from different cultures. Students will learn how to develop to build their leadership skills as they work independently and in cooperative groups. Finally, students will identify pre-professional associations and careers related to the Hospitality, Tourism, and Recreational Industry.

1171 **ADVANCED FOODS** **CODE L=11-12 U=10**

Prerequisite: Foods

Content: The creative study of foods with experiences to include regional cooking in the United States, gourmet cooking with herbs and spices, international foods, and special foods for entertaining groups. Includes planning in food management, cooking from "scratch", and shopping for food. This is a fee class; fees are charged for student projects taken home and kept by the student.

1485 **ROP FASHION MERCHANDISING AND MARKETING** **CODE C, L=10-12 U=10**

Prerequisite: None

Content: Fashion is a \$1.2 trillion global industry, with more than \$250 billion spent annually on fashion in the United States alone. Marketing plays a crucial role in this global industry. It is a discipline that informs many of the strategic and creative decisions involved in fashion design and product development, and it operates at every level of the fashion industry supply chain from product development through to retail. It connects the commercial goals of a business with the personal ideals, values, and

needs of consumers. In this course, students will be introduced to the basic theoretical principles of marketing within the context of the global fashion industry. Students will define marketing, explain the marketing concept, explain market research, and make marketing connections that will allow them to understand the economic impact of the fashion industry. Activities in this course include work-based learning that connects students to industry and the local community. Fashion Marketing has been UC a-g approved to meet the elective (“g” – Interdisciplinary) requirement and is articulated for college credit.

1469 **ROP SPORTS & ENTERTAINMENT MARKETING** **CODE C, L=10-12 U=10**

Prerequisite: ROP Fashion Merchandising & Marketing

Content: This course provides students with competencies necessary for entry-level employment and career opportunities within the sports and/or entertainment marketing industries. Students will learn the fundamental concepts of marketing and business principles in the scope of amateur, college, and professional sports. Students will also use the basic principles of marketing to learn the profit motives of financing entertainment projects, the different kinds of entertainment distribution, and promotional advertising and public relations strategies within the entertainment industry, as well as licensing entertainment merchandise and copyright laws. The class is devoted to learning the various functions and foundations of marketing and to set the stage for further study of marketing in higher education. Students will define marketing, explain the marketing concept, explain market research, and make marketing connections that will allow them to understand the economic impact of sports and entertainment. Activities in this course include work-based learning that connects students to industry and the local community. Sports and Entertainment Marketing has been UC a-g approved to meet the elective (“g” – History/Social Science) requirement and is articulated for college credit.

0952 **COMPUTER SCIENCE CP** **CODE=C, L=9-12 U=10**

Prerequisite: None

Content: Computer Science CP is an introduction to computer science and computational thinking for all students interested in developing web sites and software applications, not just using them. Through a project-oriented approach, students will learn the fundamental concepts and tools for developing websites using HTML (the language used to structure web pages and online content) and CSS (the language used to give a website its form and visual style). Students will also explore a variety of programming systems and languages, employing both procedural computer programming and the basics of object-oriented programming to create interactive applications and systems. By collaborating in a hands-on environment, students will learn problem solving, software design, debugging strategies, and the foundations of computer science (input, processing, output, simple and complex functions, decision structures, Boolean logic, algorithms, exception handling and persistence of data). Students will work on projects (both individual and team) using open-source software tools such as Alice, Scratch, and Python. Students who successfully complete this course will be prepared to enter AP Computer Science which focuses on the complexities in object-oriented design using JAVA.

0955 **AP COMPUTER SCIENCE A** **CODE=C, L, P=9-12 U=10**

Prerequisite: Computer Science CP

Content: AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

#1475 **ROP ART OF ANIMATION I** **CODE=C, L, P=9-12 U=10**

This comprehensive program introduces students to animation through theory and hands-on training in art fundamentals, drawing, cartooning, and animation basics. It also includes an introduction to computer graphics imaging. Students will study art theory, composition, color, spatial concepts, rendering and animation, using creativity and imagination to convey ideas and tell a story. Integrated throughout Art of Animation are career technical education standards which include basic academic skills, communication, career planning, technology, problem solving, safety, responsibility, ethics, teamwork, and technical knowledge. Activities in this course include work-based learning that connects students to industry and the local community.

1479

ROP VIDEO GAME DESIGN I

CODE=C, L, P=9-12 U=10

Video Game Design I is for anyone who loves computer games and wants to try to make them for themselves. The course provides students the opportunity to learn both the theory and application of gaming ideas, while providing basic instruction and principles of video game development. Video Game Design will introduce students to the Video Game Design Industry and the basic components and processes required to produce an interactive video game for market. The students will study the history of video games and analyze successful design aspects. Career opportunities and industry standards will be researched. Activities in this course include work-based learning that connects students to industry and the local community.

1401

ROP VIDEO GAME DESIGN II

CODE=C, L, P=9-12 U=10

Prerequisite: Completion of ROP Video Game Design I with a "C" grade or better

Video Game Design II is an all-inclusive video game production experience allowing students to gain deeper knowledge of video game design concepts through the mindset of game publishing and production. Students in Video Game Design II will actively perform as a member of a game development team to build an industry-standard video game. The development term will additionally work together to compose a game development plan, game-building procedures and a marketing and publishing strategy. Students will explore concurrent video game industry practices while focusing on a real-life scenario of delivering their game through digital distribution.

MEDICAL COURSES (ROP)

1448 & 1449

MEDICAL SERVICE OCCUPATIONS (ROP) I, II & III

CODE L=10-12 U=10

HEART ACADEMY

Prerequisite: HEART Academy enrollment required

Content: Medical Service Occupations I & II is designed for students interested in Health Careers. Students receive instruction in career path options, related mathematics, medical terminology, basic anatomy and physiology, infection control, nutrition, legal and ethical principles, basic medical filing, and safety/first aid. Activities in this course include work-based learning that connects students to industry and the local community.

AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS **AFJROTC**

AFJROTC AEROSPACE SCIENCE

Principals of Management: To enhance classroom learning, students participate in extracurricular and social activities such as field trips, drill teams, color guards, community parades, static model building, military balls, sports competitions, and academic challenges.

AFJROTC is a citizenship program for high school students in the ninth through twelfth grades. AFJROTC encourages its students to get involved in their local communities to provide well informed, productive and helpful citizens. Each year's AFJROTC course work relates to a different theme; examples are: **Frontiers of Aviation History, The Science of Flight, The Exploration of Space, Introduction to Astronomy, The management of the Cadet Corps, Introduction to AFJROTC, Intercommunication skills, Life skills, and**

1666

ROTC LEADERSHIP EDUCATION I

CODE=B, P, L=9-12 U=5

(Introduction to AFJROTC)

Prerequisite: Student should be first-year cadet and currently enrolled in and attending a regular course of instruction at Redlands High School who is physically fit and a United States citizen/and or in an approved student status.

Content: This is an introductory course that focuses on the importance of AFJROTC history, mission, purpose, goals, and objectives. Military traditions and the importance of maintaining a high standard of dress and personal appearance, good citizenship, positive attitudes, physical fitness, and familiarization with the different forms of government are stressed in this course. Additionally, courtesies rendered to the United States flag, and drill, marching and leading other cadets are covered in this class.

1667 **ROTC LEADERSHIP EDUCATION II** **CODE=B, P, L=9-12 U=5**
(Intercommunication Skills)

Prerequisite: Student should be a second-year cadet

Content: This course focuses on effective communication skills, understanding human and group behavior, basic leadership concepts, military drill and ceremonies, and team skills training.

1668 **ROTC LEADERSHIP EDUCATION III** **CODE=B, P, L=9-12 U=5**
(Life Skills)

Prerequisite: Student should be a third-year cadet.

Content: This course focuses on helping students in deciding which path to take after high school, providing information on how to apply for admission to college or to a vocational or technical school, information on how to begin a job search, information on financial aid and financial planning, and information on careers in the military, with the federal government, or an aerospace career.

1669 **ROTC LEADERSHIP EDUCATION IV** **CODE=B, P, L=9-12 U=5**
(Principles of Management)

Prerequisite: Student should be a third or fourth year cadet.

Content: This course is designed to acquaint the student with the principles of management, problem solving, decision-making and negotiating. The cadets will use the management, problem solving, decision-making and negotiating skills learned in this course to perform their cadet duties especially in managing themselves and others.

1670 **ROTC AEROSPACE SCIENCE I** **CODE=B, P, L=9-12 U=5**
(Frontiers of Aviation History)

Prerequisite: Student should be first-year cadet and currently enrolled in and attending a regular course of instruction at Redlands High School who is physically fit and a United States citizen/and or in an approved student status.

Content: This course acquaints students with the historical development of flight and the role of the military in history through the Persian Gulf War and Kosovo and beyond.

1672 **ROTC AEROSPACE SCIENCE II** **CODE=B, L=9-12 U=10**
(The Science of Flight)

Prerequisite: Student should be a second-year cadet.

Content: This is a science course designed to acquaint the students with the aerospace environment, the human requirements of flight (survey course on human physiology), the principles of aircraft flight, and principles of navigation.

1673 **ROTC AEROSPACE SCIENCE III** **CODE=B, L=9-12 U=10**
(Exploration of Space)

Prerequisite: Student should be a third or fourth year cadet.

Content: This is a science course, which examines our Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned spaceflight.

1674

ROTC AEROSPACE SCIENCE IV
(Management of the Cadet Corps)

CODE=B, L=9-12 U=10

Prerequisite: Student should be a third or fourth year cadet.

Content: This is a management course in which the cadets manage the entire corps. All the planning, organizing, coordination, directing, controlling and decision-making will be accomplished by the cadets.

OTHER ELECTIVES

1624

MOCK TRIAL

CODE=P, L=9-12 U=10

Prerequisite: Teacher approval

Content: This course is designed for students interested in a legal career. Students will be selected for the mock trial teams from this class to compete in the county competition. The course will introduce students to all areas of the law. They will gain practical experience in the court room. This course involves memorization and public speaking as well as dramatic ability.

1626

ACADEMIC DECATHLON

CODE=P, L=9-12 U=10

Prerequisite: Teacher approval

Content: This course is designed for the academically motivated student. The course will provide students with opportunities for review and enrichment in the following major academic areas; economics, English (language & literature), fine arts, mathematics, speech, science and social science. Students will be selected for the academic decathlon teams from this class.

1621

MAKIO

CODE=C, L=9-12 U=10

Prerequisite: Approval of instructor.

Content: Practical experience is gained in all phases of yearbook production; advertising sales, public relations, layout and design, written composition, simple clerical work, and major phases of photography. The majority of yearbook photos are taken and processed by student photographers. Students will use computers extensively; the book is submitted on zip discs.

1627

STUDENT GOVERNMENT (ASB)

CODE=P, L=9-12 U=10

Prerequisite: A member of Student Government must be elected or appointed to office to fill the following positions: A.S.B. President, Vice President, Secretary, Treasurer and Sergeant-at-Arms; Freshman, Sophomore, Junior or Senior Class President, Vice President, Secretary, Treasurer, Representative; and Commissioners. A.S.B. officers, class officers and commissioners must have a 3.00 grade point average. Representatives must have a 2.5 grade point average.

Content: Student Government meets daily as a class, during which time general government business, class, commission and committee meetings, and leadership training are conducted. Each class member is responsible for reporting and conducting business related to ASB- and/or class-sponsored activities in class meetings, thus affecting a two-way communication system between students and Student Government.

1630

WORK EXPERIENCE EDUCATION

CODE=L=11-12 U=10

Prerequisite: Open to all students who are 16 years old, have a job, and have a 2.0 GPA.

Content: The Work Experience Education (WEE) program is one means of establishing relevance between education and the world of work. WEE is a part of the total educational process that assists young people to choose a career wisely and prepare for full-time employment. WEE allows students to earn units beyond the limits of the regular school day. Enrollment in Work Experience Education requires that the students obtain written GPA verification, permission from their counselor and the assistant principal/educational services, and the Work Experience Coordinator. All students must be 16 years of age, have part-time employment and a GPA of 2.0 or better. One credit will be earned for each 18 hours of reported work not to exceed 10 units in any semester. No more than 40 work Experience Education credits may count towards high school graduation. Students are required to complete applications and all steps of the enrollment process before being registered in the class. Class requirements include turning

in weekly time cards, monthly pay stubs, and completing job-related instructional lessons. Grades are based on a combination of these factors, class attendance at a weekly class, and teacher and employer ratings. Since the class meets only once a week, a student may miss no more than three classes--excused or unexcused.

0135 ACADEMIC TUTOR **CODE=P, L=11-12 U=5/10**

Prerequisite: Teacher approval.

Content: This course is for dependable, honors students who wish to tutor students in an academic classroom. Approval should be received from the teacher for whom the student wishes to be a tutor. The student will perform duties such as individual and/or group tutoring.

Academic tutor credit is limited to 10 total during high school.

1635 TEACHER ASSISTANT **CODE=P, L=12 U=5/10**

Prerequisite: Teacher approval.

Content: This course is for dependable students who wish to contract to work in the classroom or the office. Approval should be received from the teacher or administrator for whom the student wishes to be an aide. The student will perform duties such as typing, processing student assignments, delivering passes, etc. Confidential student grading or official attendance accounting is not part of the TA contract. **A student may TA with administrative approval ONLY if they have met the College and Career Indicator requirements. Approval by Mrs. Dockham, AP, is required.**

TA credit is limited to 10 total during high school.

1620 AVID **CODE=C, L=9-12 U=10**

Prerequisite: None

Content: Avid is a college preparatory elective which helps students to succeed in high school and prepares them to succeed in college. Students learn and practice study skills, organization, time management, and note taking among other things. In addition, the Avid class provides tutorials twice a week for students to get homework help. Students will also conduct career and college research and participate in field trips and team building activities. **Students who take AVID 11 & AVID 12 will fulfill one year of the college-prep elective requirement on the a-g list.**