



RHS Bruin Essentials
Riverbank High School Course Information
2021-2022

Riverbank High School Vision

Riverbank High School is about putting students first by providing a nurturing community that creates responsible problem solvers, critical thinkers, and college/career ready young adults.

Riverbank High School Mission

Riverbank High School is dedicated to the development of academic, personal, and social skills that will prepare all students to be successful in life.

The Bruin Essentials handbook has been designed as a tool to assist you in selecting the right classes for your personal educational goals. Please read it carefully before making your class requests and closely review both the high school graduation and college entrance requirements. Careful planning now will help ensure successful completion of your goals.

Riverbank High School Graduation Requirements:

Graduation requirements are set by the RUSD Board of trustees. Five (5) credits are awarded to students who earn a grade of A, B, C, or D at the end of each semester. A grade of F will result in no credit being awarded for that course. Students who earn no credit in a course will have to make up those credits in order to meet the Riverbank High School graduation requirements. A diploma is granted to students who pass the designated course requirements.

COURSE REQUIREMENTS

English	40 credits	VP Arts or W Lang or CTE	10 credits
Mathematics	10 credits	Algebra (Int Math I)	10 credits
Life Science	10 credits	Physical Science	10 credits
World History	10 credits	US History	10 credits
Economics	5 credits	American Government	5 credits
Physical Education	20 credits	Elective Classes	90 credits

Total Credits Required ~ 230

Riverbank High School is a comprehensive college-preparatory high school. We believe that all students are entitled to a rigorous and relevant education that will prepare them for the challenges of post-secondary education, the workforce or military service. At RHS, our core content courses, including most elective courses, meet the CSU/UC A-G course work requirements. The A-G designation means the course will require students to work at a college preparatory level.

College Entrance Requirements: (A - G Requirements)

Students planning to enter a 4-year college or university immediately after high school graduation must complete the following: (1) maintain a competitive Grade Point Average-GPA; (2) take the college entrance exams (SAT I, or ACT); (3) complete the “A-G” Subject Requirements with semester grades of “C” or better. “A-G” Subject Requirements are identified in the Bruin Essentials where it states, “Meets UC/CSU Subject Requirement: Area”.

Area A: Social Science—2 years required (W. History & US History)

Area B: English—4 years required (Eng I, II, III, IV, Pre-AP English and AP English)

Area C: Mathematics—3 years required (Integrated Math I, Integrated Math II, Integrated Math III)

Area D: Laboratory Science—2 years required (Biology, Chemistry, and/or Physics)

Area E: Language Other Than English—2 years required

Area F: Visual/Performing Arts—1 year required

Area G: College Preparatory Electives—1 year required

These are minimum requirements and do not guarantee acceptance into all 4 year colleges or universities. These institutions fall into three main areas: University of California, California State University, and Private Universities. For more information on the college of your choice, visit their web site or see your high school counselor. Information on Trade Schools and Community Colleges are also available online or in the Career Center.

ADVANCED PLACEMENT AND HONORS COURSES

Advanced Placement classes are designed to be equivalent to first year college courses. Students enrolled in these classes must have demonstrated aptitude and/or outstanding achievement in one or more academic areas. Honors and Advanced Placement courses receive enhanced/weighted grade points: A=5, B=4, C=3. Grades lower than a “C” grade do not receive any enhanced points.

All students enrolled in AP classes are expected to prepare for and take the AP exams offered with the class. All classes are approved by College Board and meet UC and CSU entrance requirements, as well as certain high school graduation requirements. **Students may be required to complete summer assignments and sign a contract. Students receiving less than a “C” at the quarter will be placed on academic probation and may be removed at the semester.**

ENGLISH

ENGLISH I

CODE: 1010

GRADE LEVEL: 9

PREREQUISITE ~ None

Meets UC/CSU requirements Area B

Description: A literature based class designed to study major novels, plays, poetry, short stories and writing. Basic English skills include spelling, vocabulary, grammar and mechanics. One major writing assignment is expected each semester. This English course meets the grade-level California Common Cores Standards of listening, speaking, reading, and writing.

HONORS ENGLISH I

CODE: 1021

GRADE LEVEL: 9

PREREQUISITE ~ Teacher Recommendation

Meets UC/CSU requirements Area B

Description: Course aligns with College Board 11th and 12th grade AP offerings. Class emphasizes identifying elements of plot, point of view in short stories, novels and dramas. Students learn to identify and describe tone, diction, and use of irony. Poetry will be studied by paraphrasing texts to understand use of figurative metaphorical language. Students will begin using quotations in their writings. Major writing assignments required. This English course meets the grade-level California Common Cores Standards of listening, speaking, reading, and writing.

ENGLISH II

CODE: 1030

GRADE LEVEL: 10

PREREQUISITE ~ None

Meets UC/CSU requirements Area B

Description: This course is designed for at or above grade level in language arts. This course requires students to read extensively from District approved literature lists, to write research papers as well as other compositions, to work independently, and to demonstrate higher-level critical thinking skills in their written and oral work. This course is a literature-based comprehensive English course, built around eight thematic or skills-based units, in each of which are embedded critical reading, composition and grammar instruction, listening and speaking skills, and vocabulary development strategies. This English course meets the grade-level California Common Cores Standards of listening, speaking, reading, and writing.

HONORS ENGLISH II

CODE: 1032

GRADE LEVEL: 10

PREREQUISITE ~Teacher Recommendation

Meets UC/CSU requirements Area B

Description: This class will study various literary types. Students study the connotation of language, differing points of view, identifying theses within literary works and writing format for fluency and style. Self-motivation and preparedness to read and write well is required. This English course meets the grade-level California Common Cores Standards of listening, speaking, reading, and writing.

ENGLISH III

CODE: 1040

GRADE LEVEL: 11

PREREQUISITE ~ None

Meets UC/CSU requirements Area B

Description: Students study the works of American authors. Research paper will be required. This course is designed for the highly motivated students performing at or above grade level in language arts. The curriculum supports the California Language Arts Content Standards and is geared for students who plan to attend a four year college or university immediately after high school graduation. This English course meets the grade-level California Common Cores Standards of listening, speaking, reading, and writing.

ENGLISH IV

CODE: 1050

GRADE LEVEL: 12

PREREQUISITE: ~ None

Meets UC/CSU requirements Area B

Description: A senior, classic contemporary literature class designed to allow for reading, writing, and discussion of prose and poetry. Writings will include essays, research papers, and book reports/logs. The focus of the class is both classic and contemporary. This English course meets the grade-level California Common Cores Standards of listening, speaking, reading, and writing.

**AP ENGLISH LANGUAGE
AND COMPOSITION**

CODE: 0635

GRADE LEVEL: 11

PREREQUISITE ~ Teacher Recommendation

Meets UC/CSU requirements Area B

Description: Students will study and discuss examples of American authors for grammar, style and analysis of writing. Students will learn to write different writing modes including research papers. Writing of longer analysis will be expected. Syntax, phrasing and sentence structure relating to style will be studied. Students will learn and practice techniques in written and multiple-choice exams. Reading and writing assignments will begin during the summer to be completed during the first month of school. Students are encouraged to complete the AP exam and may earn college credit if they receive a 3 or better. This English course meets the grade-level California Common Cores Standards of listening, speaking, reading, and writing.

**AP ENGLISH LITERATURE
COMPOSITION**

CODE: 0630

GRADE LEVEL: 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area B

Description: This class is thematically designed to cultivate close reading analysis of prose and poetry. Attention is paid

to identifying and interpreting themes, tones, diction, style and imagery. Syntax, phrasing and sentence structure relating to style will be emphasized. Students will learn and practice techniques in written and multiple choice exams. Reading assignments begin during the summer and must be completed during the first month of school. Students are encouraged to take the AP exam and may earn college credit if they receive a score of 3 or better. This English course meets the grade-level California Common Cores Standards of listening, speaking, reading, and writing

ACADEMIC STRATEGIES II

CODE: 1110

GRADE LEVEL: 9, 10

PREREQUISITE ~ Counselor Approval

Description: A course designed to teach skills to students to help them become better readers and writers, as well as develop personal goals. Students are placed in these classes if they test a two grade levels below their actual grade level. There are many strategies that are taught throughout the year that focus on reading such as: decoding skills, finding the main idea and details of text, asking questions about the text, and creating mental pictures about the text. In addition, a strategy is taught that teaches students how to write better paragraphs.

ENGLISH LANGUAGE DEVELOPMENT

ELD WRITTEN LANGUAGE 1, 2, 3 & 4

CODE: 1076/1077/1078/1069

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ Identified EL Student must simultaneously enroll in grade level English course

Description: This designated ELD course is a requirement for identified EL students until redesignation. The EL student will gain additional English language support and development in reading, writing, listening, and speaking. Using the designated ELD component of the Study Sync curriculum and additional support resources, students will develop English fluency academic success in core curricular classes.

ELD is not CSU/UC eligible and is an elective course.

WORLD LANGUAGES - SPANISH

SPANISH I

CODE: 3010

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area E

Description: This class includes the development of speaking, reading, and writing in the Spanish language. Vocabulary development is the primary focus. This is a beginning-level language class.

SPANISH II

CODE: 3020

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Spanish I

Meets UC/CSU requirements Area E

Description: This is an intensified class with review of grammar, development of speaking skills, reading and writing in the Spanish language. Exposure to Spanish culture and literature is also included. Students will be expected to converse in Spanish in small group guided activities.

SPANISH III

CODE: 3030

GRADE LEVEL: 11, 12

PREREQUISITE ~ Spanish II

Meets UC/CSU requirements Area E

Description: For the student who wants to continue learning Spanish language including: Augmented active vocabulary in the different contexts, with grammatical accuracy, cultural emphasis, pronunciation, reading and writing strategies.

Students will continue expanded usage of verb imperfect, learning the future, and conditional tenses. Also, students will learn about the music of the Spanish speaking world and the roots of Spanish literature. Students will demonstrate level appropriate mastery of California World Language Standards and be expected to converse in Spanish.

SPANISH I for Native Speakers

CODE: 3210

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ Literacy in Spanish

Meets UC/CSU requirements Area E

Description: This class includes the development of reading and writing skills to enhance the student's bilingual abilities. Class work is on language development to further already known Spanish vocabulary.

SPANISH II for Native Speakers

CODE: 3220

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Spanish I for NS or Teacher Recommendation
Teacher Recommendation

Meets UC/CSU requirements Area E

Description: Class is designed to enhance the bilingual skills of the Spanish speaker. Advanced writing and reading skills are practiced. Students practice interpretive skills. Culture and literature are also studied.

AP SPANISH LANGUAGE & CULTURE

CODE: 3032

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Recommended NS Spanish II,
Teacher Recommendation

Meets UC/CSU requirements Area E

Description: Course will continue to prepare students to have an extensive ability in critical reading, writing, thinking, and other communicative skills. It will extend and will help you perfect your ability to communicate in Spanish. We will be focusing on the following five language teaching standards (communication, cultures, connections, comparisons, and communities). Students are encouraged to take the AP exam and may earn college credit if they receive a score of 3 or better on it.

AP SPANISH LITERATURE & CULTURE

CODE: 3033

GRADE LEVEL: 11, 12

PREREQUISITE ~ AP Spanish Lang or Teacher Recommendation

Meets UC/CSU requirements Area E

Description: This class prepares students for the AP Spanish Literature Exam. Students must be proficient in Spanish language. Emphasis placed on reading, writing, literature and conversation. Instruction is done in Spanish. Good study habits are necessary for success in this class. AP Spanish enhanced credit given if AP exam is completed. Students are encouraged to take the AP exam and may earn college credit if they receive a score of 3 or better on it.

MATHEMATICS

INTEGRATED MATH I

CODE: 2092

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area C

Description: The fundamental purpose of the Integrated Math 1 course is to formalize and extend the mathematics that students learned in the middle grades. This course is comprised of standards selected from the high school conceptual categories. Instructional time will focus on six critical areas: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of functions; (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. This course is limited to linear and exponential expressions and functions as well as some work with absolute value, step and functions that are piecewise defined.

HONORS INTEGRATED MATH I

CODE: 2093

GRADE LEVEL: 9

PREREQUISITE ~ Teacher Recommendation, A or B

Meets UC/CSU requirements Area C

in Math 8, meet/exceeds standards on CAASPP

Description: The fundamental purpose of the Honors Integrated Math 1 course is to formalize and extend the mathematics that students learned in the middle grades. This course is comprised of standards selected from the high school conceptual categories and incorporates some (+) level standards which, when combined with the rest of the sequence, will cover all Pre-Calculus concepts and prepare students to advance to Calculus. Instructional time will focus on six critical areas: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of functions; (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. This course is limited to linear and exponential expressions and functions as well as some work with absolute value, step and functions that are piecewise defined. Students will learn to think critically in a mathematical way with an understanding there are many different ways to a solution and sometimes more than one right answer in applied mathematics. The Mathematical Practice Standards and Content Standards are connected instruction and prescribe that students experience mathematics as a coherent, useful and logical subject that makes use of their ability to make sense of problem situations.

INTEGRATED MATH II

CODE: 2095

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ IM I

Meets UC/CSU requirements Area C

Description: The goals of Mathematics II include introducing quadratic expressions, building on their understanding of equations, and functions including quadratic, absolute value, rational, irrational and trigonometric functions, and comparing the characteristics and behavior to those of linear and exponential relationships from Mathematics I. A major focus of Mathematics II is to develop the notion of formal proof—what evidence is needed for the mathematics community to agree to accept a statement as true. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course.

HONORS INTEGRATED MATH II

CODE: 2096

GRADE LEVEL: 10

PREREQUISITE ~ IM I, teacher recommendation

Meets UC/CSU requirements Area C

Description: The goals of Mathematics II Honors include introducing quadratic expressions, building on understanding of equations, and functions, and compare the characteristics and behavior to those of linear and exponential relationships from Mathematics I. The need for extending the set of rational numbers arises and real and complex numbers are introduced. A major focus of Mathematics II is to develop the notion of formal proof—what evidence is needed for the mathematics community to agree to accept a statement as true. Students explore a variety of ways of identifying the underlying reasoning behind a proof, and different formats for writing the proof. The understanding of functions is expanded upon from previous grades and the functions studied are added to, with linear, quadratic, exponential, absolute value, rational, irrational and trigonometric functions explored. All functions have characteristics some of which are unique to particular functions, some of which are common to a set of functions and some of which are common to all functions. These will be explored. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course. (CA Mathematics Framework)

INTEGRATED MATH III

CODE: 2097

GRADE LEVEL: 11, 12

PREREQUISITE ~ IM II

Meets UC/CSU requirements Area C

Description: This course is the third of three courses in an integrated math series that weaves together the more traditional algebraic, geometric, and statistical curriculum. Areas of study of Integrated Math 3P will include probability and statistics to draw inferences and conclusions from data. Students will expand their learning of functions that include polynomial, rational, and radical functions, right triangle trigonometry to include general triangles. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual

problems. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problems situations

HONORS INTEGRATED MATH III CODE: 2098 GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ IM II, Teacher Recommendation **Meets UC/CSU requirements Area C**

Description: Integrated Math III (H) is a Common Core State Standards-based course developed around skills-based units. Students will develop their Algebra skills in rational and polynomial expressions and in functions, including exponential and trigonometric functions, and sequences and series. Students will develop their Geometry skills in measurement and dimension and in trigonometric ratios. The course is designed to meet the college and career ready expectations of students enrolled in an integrated curriculum as outlined in both the CCSS and the Smarter-Balanced assessments. As this is an honors course, students will be expected to analyze, synthesize, and problem solve at a higher level. Advanced projects and problem-solving assignments will be used to encourage students to think more in-depth about the mathematical concepts.

PRE CALCULUS CODE: 2091 GRADE LEVEL: 11, 12

PREREQUISITE ~ IM III **Meets UC/CSU requirements Area C/G**

Description: Advanced college math class. Detailed study of triangles, vectors, coordinate systems, algebraic study of geometry and advanced math concepts. This class is designed as an introduction to basic calculus for serious math students only and prepares student for the Level 2C math test of the SAT II.

STATISTICS CODE: 2104 GRADE LEVEL: 12

PREREQUISITE ~ IM III/ IM III Honors **Meets UC/CSU requirements Area C/G**

Description: Statistics is a course that analyzes data. It's the study of the distribution of data and the probability of outcomes. This course is designed to provide seniors with an alternative option for a fourth year of mathematics. This course is recommended for students who plan to attend college and are not science majors.

AP CALCULUS CODE: 0620 GRADE LEVEL: 11, 12

PREREQUISITE ~ IM III/IM III Honors, Teacher recommendation **Meets UC/CSU requirements Area C/G**

Description: Class meets the study for taking the AP Calculus exam. The curriculum is designed to include, but not limited to derivatives, limits, integrals and their applications. Students must be prepared to do extensive math assignments outside of class time. Learning groups are a part of the class. Students are encouraged to take the AP exam and may earn college credit if they receive a score of 3 or better on it.

INTEGRATED MATH SUPPORT CODE: 2094 GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ Based on math test scores, and grades. May be assigned by Counselor.

Description: This course is designed to be taken with an Integrated Math class to support basic math skills.

Elective Credit Only

SCIENCE

EARTH SCIENCE

CODE: 2540

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirement Area G

Description: This is a course that combines earth science and physics. This course covers physical laws and properties of the earth. Students will do extensive lab work that involves making observations and constructing hypotheses from data collected. Labs and activities are integral to this course. This course uses extensive laboratory work to emphasize observation and hypothesis techniques. Physical Science credit/units will be awarded upon completion of this class.

AG EARTH SCIENCE

CODE: 2555

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Agricultural education is organized instruction which prepares individual for employment in agriculture and may also prepare them for advanced training, leading to an agricultural career requiring education at a postsecondary level. It is recommended that a student be involved in FFA activities that deal with plants and/or animal science. This course will meet the Riverbank Unified School District requirement for Physical Science.

BIOLOGY I

CODE: 2550

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area D

Description: College prep biology lab class. Class covers instruction in scientific method, function and structure of cells, viruses, genetics, plant and animal taxonomy and ecology. Students must have good reading, math, and study habits.

AG BIOLOGY I

CODE: 2553

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area D

Description: College prep biology lab class. Class covers instruction in scientific method, function and structure of cells, viruses, genetics, plant and animal taxonomy and ecology with an Agricultural focus. Students must have good reading, math, and study habits.

CHEMISTRY

CODE: 2570

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Biology I, Integrated Math I

Meets UC/CSU requirements Area D

(Student should be concurrently enrolled in Integrated Math II or a higher math.)

Description: College prep physical lab class. Topics will cover atomic theory, molecular theory, chemical composition of matter and its changes. Lab activities are extensive and strong math skills are needed.

AG CHEMISTRY

CODE: 2557

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Ag Biology I, Ag Earth Sci

Meets UC/CSU requirements Area D

Description: This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students will develop an Agriscience research program to be conducted throughout the first semester of the course. To complete that whole project each student will investigate and test an Agriscience research question by formulating a scientific question related to the course content, formulating a hypothesis based on related research, conducting an experiment to test the hypothesis, collecting quantitative data, and forming a conclusion based on analysis of the data. The result of this research program will be an in depth research and experimentation paper that is technically written, based on scientific protocol, and cited using APA formatting. Additionally, students will develop and present a capstone soil management plan for agricultural producers, using the content learned throughout the course.

AP ENVIRONMENTAL SCIENCE CODE: 2536 GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Bio I, Chem/Concurrent Enroll in Chem **Meets UC/CSU requirements area D**

Description: The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

ANATOMY/PHYSIOLOGY CODE: 2561 GRADE LEVEL: 11, 12

PREREQUISITE ~ Biology I, Chemistry, **Meets UC/CSU requirements Area D/G**
Teacher Recommendation

Description: Anatomy and Physiology is a rigorous second year Biology course for students interested in biology, medicine and its related professions. Students will be introduced to many lab exercises that will help them to understand both the human body and the importance of correct laboratory procedures.

PHYSICS CODE: 2580 GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Chemistry, IM III **Meets UC/CSU requirements Area D/G**

Description: Topics will deal with all aspects of modern physics including light, energy, force, motion, heat, sound and electricity. Math and reading required for success along with completion of regular labs.

AP PHYSICS CODE: 2583 GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ IM III, Concurrent IM III **Meets UC/CSU requirements Area D**

This AP Physics 1 course is conducted using an inquiry-based modeling approach. Most units begin with a teacher-led demonstration of a paradigm, in the sense of a typical example, for the unit. Students suggest variables that influence the paradigm, and then experiment to investigate the variables. A consensus-building discussion follows in which the class constructs a conceptual model that describes the physics of the paradigm. Most of the unit is spent using and expanding the ideas introduced in the paradigm lab. Mathematics, including trigonometry, geometry, and algebra will be used extensively in this course to solve problems and develop relationships between physical quantities. As a result of this approach, the students construct and use multiple representations of physical processes, design investigations, critically analyze data, and participate in classroom discourse and writing on the nature of science.

The AP Physics 1 course has been designed by the College Board as a course equivalent to the algebra-based college-level physics class. Also, the student can earn college credit by taking the AP Physics 1 exam at the end of the year.

SOCIAL SCIENCE (HISTORY)

WORLD HISTORY CODE: 1520 GRADE LEVEL: 10

PREREQUISITE ~ None **Meets UC/CSU requirements Area A**

Description: A chronological examination of western and non-western history. Class spans events from the beginning of Democracy through European dominance, ending with the Global Society. Research papers and projects are required. Emphasis is on geographic and cultural understanding.

AP WORLD HISTORY

CODE: 0645

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area A

Description: AP World History is designated to be the equivalent of a two-semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 BCE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course provides five themes that students explore throughout the course in order to make connections among historical development and interaction of cultures; state building, expansion; and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

US HISTORY

CODE: 1530

GRADE LEVEL: 11

PREREQUISITE ~ None

Meets UC/CSU requirements Area A

Description: A survey of US history from independence to the present. Class traces political, social, economic and intellectual forces at work in our history and how the United States became the country it is today. Research papers and projects required.

AP US HISTORY

CODE: 0640

GRADE LEVEL: 11

PREREQUISITE ~ Teacher Recommendation

Meets UC/CSU requirements: Area A

Description: Students will study major themes of American History from the exploration period through the 1990's. This class is in significantly greater depth, with oral discussion and written reports required. Reading assignments begin during the summer. Students are encouraged to take the AP exam and may earn college credit if they receive a score of 3 or better on it.

AMERICAN GOVERNMENT

CODE: 1550

GRADE LEVEL: 12

PREREQUISITE ~ None

Meets UC/CSU requirements: Area A or G

Description: This semester long course studies the evolutionary process of government from the Enlightenment to its impact on the Declaration of Independence and the American philosophy of government. Students will review the branches of US government and study the constitution. Students will become familiar with our political process for governing. Requires regular assignments, note taking and projects.

ECONOMICS

CODE: 1552

GRADE LEVEL: 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: This semester long course will study macro and micro economics, scarcity, circular flow models, money and banking, supply and demand, economic indicators and our economic structure. Critical thinking skills are emphasized. Requires regular assignments, note taking and projects.

AP MACRO/ MICROECONOMICS

CODE: 1558/1557

GRADE LEVEL: 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Yearlong class (1 semester each). Class covers Macro and Micro economic topics. Class requires in depth reading and discussions on American Economic principles. Readings, worksheets, lectures and essay tests are required. Students are encouraged to take the AP exam and may earn college credit if they receive a score of 3 or better on it.

VISUAL & PERFORMING ARTS

(ART, DRAMA, MUSIC)

ART I BASIC DRAWING/PAINTING CODE: 3510 GRADE LEVEL: 9, 10, 11

PREREQUISITE ~ None

Meets UC/CSU requirements Area F

Description: An introductory art class. Class is designed to take the beginning art student from drawing with pencil and charcoal to painting with watercolor, tempura, multi-media collage, oil and acrylic paints. Students will be introduced to numerous cultural and historical styles and motifs. Through critiques, students display ability to aesthetically value and appreciate works of art, as well as understand the relationship between art, culture and history.

ART I CERAMICS CODE: 3560 GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Completion of Art I/II

Meets UC/CSU requirements Area F

Description: Learn how to design and create in three dimensions. Discover how to use basic art concepts, especially form in space. Create a series of objects based upon the native arts of cultures throughout the world. Develop skill in using the tools and techniques required to produce various types of art. Projects may be assigned to provide experience in a variety of techniques and media, including ceramics, wire, plaster, papier mâché, mosaics, and collage/assemblage each year. Students will gain experience by applying what they learn to exhibitions, other subject areas, safe use of materials and equipment in the lab, and careers in the field of ceramics and sculpture.

AP ART AND DESIGN CODE: 3556 GRADE LEVEL: 11, 12

PREREQUISITE ~ Art I, II, & III, Teacher Recommendation

Meets UC/CSU requirements Area F

Description: The AP Art & Design program consists of three different courses and AP Portfolio Exams – AP 2-D Art & Design, AP 3-D Art & Design, and AP Drawing – corresponding to college and university foundations courses. Students may choose to submit any or all of the AP Portfolio Exams. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.

DRAMA I CODE: 3610 GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area F

Description: Class is designed to introduce the art of the actor through performance and knowledge-based materials. Through reading of the text, formal scripts, written essays, acting and lectures, students will have a beginning understanding of the history of drama, the dramatic profession and the contribution drama has made to culture.

DRAMA II CODE: 3611 GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Drama I or teacher approval.

Meets UC/CSU requirements Area F

Description: Drama II is designed to introduce the function and art of theater to the student through knowledge based materials, performances and production. Through the process of reading, written scripts, assignments, historical reviews and productions, each student will discover what is encompassed in the field of dramatic arts. Students will read selected scripts, review and analyze selected scripts, write scripts, design sets and costumes, develop acting skills and receive lecture materials for additional information.

BEGINNING BAND

CODE: 3754

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ Desire to learn a musical instrument.

Meets UC/CSU requirements Area F

Description: This class is designed to help the student learn to play a band instrument or learn a new instrument. Participation in school performances is required for class success. Field trips also possible.

BEGINNING GUITAR

CODE: 3770

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area F

Description: A study in the essentials of guitar playing and the fundamentals of music.

ADVANCED BAND

CODE: 3721

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ Ability to play a band instrument, participation in school concerts and performances.

Meets UC/CSU requirements Area F

Description: This class is for students interested in performing in concerts, field shows, drum line, parades and music festivals. All students must perform at all events for a passing grade. Participation may involve some out of town trips for parades, field shows and competitions. After school practices are mandatory. End of the year trip possible.

COLORGUARD/FLAGS

CODE: 3732

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ Desire to perform and work with others as a team **Meets UC/CSU requirements Area F**

Description: Students will learn dance techniques, flag routines, and choreography. Participation at performances and competitions is mandatory and trips required. Fall semester the guard practices and performs with the marching band in field shows. Winter the guard performs in Winter Guard competitions. Students must be able to practice extra hours after school.

CAREER TECHNOLOGY EDUCATION

GRAPHIC DESIGN

CODE: 4044

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area F

Description: This class is designed to teach students how to use and create various projects using the latest Photoshop, Illustrator, Flash Animation, and Photoshop Elements software. Students will create various projects including cartoons, brochures, newsletters, posters, cards, signs, T-shirts, booklets, and many other types of visual communication.

ADV GRAPHIC DESIGN

CODE: 4053

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Graphic Design

Meets UC/CSU requirements Area F

Description: Advanced Graphic Design is the capstone course in the two year Graphic Design Pathway. Students can only take Advanced Graphic Design if they have completed one year of Graphic Design. In Advanced Graphic Design students will work on real world design projects, such as posters and fliers for school events, logos and business designs for local businesses, product labeling, t-shirt making, and other advanced projects. Upon completion, students will receive certification in Adobe Photoshop and Adobe Illustrator and will be CTE pathway completers.

MULTIMEDIA

CODE: 4046

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Class prepares students to utilize multimedia functions using HTML, Dark Basic, JavaScript, Dreamweaver, Windows Movie Maker, and FrontPage. Students will create various projects including video games, animations, movies, web pages, and many other multimedia projects.

VIDEO GAME DESIGN 1-2

CODE: 5000

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Graphic Design

Meets UC/CSU requirements Area G

Description: This class is designed as a way to prepare students to start a career in video design. This course will take students beyond the basics and get them working on professional quality projects. This course will use a variety of software programs which students will use to build their technical and graphic design skills, as well as building an appreciation of aesthetics and the art and business of video games and their effects on society.

VIDEO GAME DESIGN 3-4

CODE: 5006

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Graphic Design

Meets UC/CSU requirements Area G

This class is designed as a way of getting students job ready to start a career in video design. This course will take students beyond the basics and get them working on professional quality projects. This course will use a variety of software programs which students will be using to build on their technical and graphic design skills, as well as building an appreciation of aesthetics and the art and business of video games and their effects on society.

FOOD AND NUTRITION 1-2

CODE: 5052

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: This class will help you learn to prepare food so that it is healthy and attractively presented. Students are required to work in kitchen groups to complete tasks. Cooking projects are required weekly. Students may compete in the Occupational Olympics in table presentation and setting.

CULINARY ARTS 1-2

CODE: 9215

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Food & Nutrition I

Meets UC/CSU requirements Area G

Description: Students will learn about different aspects of the culinary arts industry. Class prepares students as assistant cooks, bakers, salad makers, cafeteria workers, food servers, cashiers and institutional dish up persons. Advanced training includes preparing stocks, sauces and types of soups. Instruction will also focus on menu planning, buying, and storage of food, portion control and restaurant accounting. Class will provide information on career requirements and advanced education. Students will explore the different physical settings associated with culinary arts.

CULINARY ARTS 3-4

CODE: 9216

GRADE LEVEL: 11, 12

PREREQUISITE ~ Culinary Arts 1-2

Meets UC/CSU requirements Area G

Description: A continuation of Culinary arts 1-2

AG MECHANICS/AG WELDING 1-2

CODE: 5151

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Class introduces students to basic welding with an agricultural focus. Designed as a hands-on course giving students knowledge of welding as a construction form, using electric arc and oxy-acetylene welding. Utilizing projects, students will increase dexterity associated with tools and equipment in this career. Along with welding knowledge students will gain an appreciation for appropriate shop safety and the tools and machines associated with a welding shop. Careers within this field will be explored. Project time will be available.

AG MECHANICS/ AG WELDING 3-4

CODE: 9010 GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ AG Mechanics/Welding

Meets UC/CSU requirements Area G

Description: Class is designed to prepare students with fundamental skills, attitudes & desires in welding and construction with an agricultural focus. Class will provide information on career requirements and advanced education. Students will develop a sense of workmanship, pride and create a climate of student responsibility toward a job.

WELDING/FABRICATION 3-4

CODE: 9012

GRADE LEVEL: 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Introduction to the building construction trade.

Class introduces students to basic welding with an agricultural focus. Designed as a hands-on course giving students knowledge of welding as a construction form, using electric arc and oxy-acetylene welding. Utilizing projects, students will increase dexterity associated with tools and equipment in this career. Along with welding knowledge students will gain an appreciation for appropriate shop safety and the tools and machines associated with a welding shop. Careers within this field will be explore. Project time will be available.

BUILDING CONSTRUCTION 1-2

CODE: 5101

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Introduction to the building construction trade.

CABINETRY MILL AND WOODWORK 1-2

CODE: 9076 GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: This course is the concentrator course for students following the Cabinetry, Millwork, and Woodworking Pathway. In this course students learn how to design and build simple yet aesthetically attractive items using common hand and machine tools. In this way they develop a practical and aesthetic experiences in working with an easily available material. The students will review shop and tool safety, create portfolios, learn about the properties and characteristics of woods, joinery, the history of furniture and design and build projects from the knowledge acquired from the units. Students will learn about furniture styles, construction, and proper design so as to accommodate the characteristics of the material(s) being utilized. Project strength, durability, and overall quality will be emphasized in student projects through proper design utilizing appropriate joinery and superior craftsmanship. The hands-on nature of this course is intended to not only develop the students' ability to successfully fabricate their project, but will also provide opportunities for collaborative work habits, will encourage an appreciation for fine design and craftsmanship, and will develop self-confidence in acquiring new knowledge and skills.

CABINETRY MILL AND WOODWORK 3-4

CODE: 9078 GRADE LEVEL: 11, 12

PREREQUISITE ~Cab and Woodworking 1-2

And Intro to Building and Construction

Meets UC/CSU requirements Area G

Course Overview: This Capstone level course, taken after the Introductory and Concentrator courses will prepare students for entry level positions as a cabinetmaker or related industry occupations. Included in the course is a review of woodworking and cabinetry basics from the first two courses. Other topics covered in this course include mass production of cabinetry and furniture products, advanced machinery, and computer software used widely in the Cabinet and Furniture industry. This Course will include a Senior Project that will take the students through the complete design process where they will demonstrate their knowledge and skills obtained from the 3 courses to construct a cabinet or furniture project of their choice. From CALPADS: Advanced Cabinetry, Millwork, and Woodworking (Capstone) This course allows students to demonstrate mastery in skills attained in concentrator courses. This may include demonstrating competency in the planning, construction, and installation of furniture, cabinets, countertops, and/or other millwork products. Students will demonstrate competence in the design, layout, and technical drawing interpretation for practical use in woodworking, cabinetmaking, and millworking. They will demonstrate mastery of various construction processes by building and/or installing furniture, cabinets, countertops, or any number of millwork products.

THEATRE STAGECRAFT 1-2

CODE: 9072

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE: None

This course offers students the opportunity to learn tool safety and carpentry skills that will result in the building of practical objects from a student-created working plan, drawing. They will be exposed to material choices and available building supplies required to achieve the desired result. Work is generated through theatre props, furniture and set pieces as needed from production to production.

THEATRE STAGECRAFT 3-4

CODE: 9079

GRADE LEVEL: 10, 11, 12

PREREQUISITE: None

This course offers students the opportunity to learn tool safety and carpentry skills that will result in the building of practical objects from a student-created working plan, drawing. They will be exposed to material choices and available building supplies required to achieve the desired result. Work is generated through theater props, furniture and set pieces as needed from production to production.

BUILDING CONSTRUCTION

CODE: 9070

GRADE LEVEL: 10, 11, 12

PREREQUISITE: ~ Good shop skills, Intro Building Construction **Meets UC/CSU requirements Area G**

Description: Class will have students design and construct a residential structure. Students must use hand and power tools, follow directions and plans, stay on assigned tasks and work independently or in groups. Class will provide information on career requirements and advanced education.

INTRO TO MEDICAL FIELD

CODE: 2501

GRADE LEVEL: 9, 10

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

This course is designed to help students develop a general awareness of health careers and specific preparation for physical therapy and sports medicine occupations. Classroom instruction covers such topics as: medical terminology; human anatomy; emergency procedures; soft tissue and bone injuries; causes, symptoms and management of injuries; nutrition; physical fitness; and career opportunities. In addition to this ongoing classroom instruction, students will rotate through on-the-job training experiences with local physical therapists, chiropractors, athletic trainers, physical education instructors and recreational facility managers. Throughout this course, the students' core academic skills and ability to deal with people will be stressed.

PHYSICAL EDUCATION (PE)

CORE PE I

CODE: 6033

GRADE LEVEL: 9

PREREQUISITE ~ None

Description: PE I is an entry level class for skill development, knowledge, attitudes of sports through participation in a wide variety of carry over activities. The value of carry over PE activities is emphasized. Students must dress out for class.

CORE PE II

CODE 6034

GRADE LEVEL : 10, 11, 12

PREREQUISITE ~ None

Description: This class is for skill development, knowledge, attitudes of sports through participation in a wide variety of carry over activities. The value of carry over PE activities is emphasized. Students must dress out for class.

WEIGHT TRAINING & FITNESS

CODE: 6070

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ None

Description: This course is designed to teach the student the basic skills and benefits of weight training. Students will understand the way the cardio-muscular system works; muscle system works, and how physical conditioning takes place in the body. Terminology will be covered, and student will gain knowledge of proper and safe use of equipment.

PE AEROBICS FITNESS

CODE: 6092

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ None

Description: Description: Aerobics uses interval training, alternating aerobic exercise with strengthening exercise to give you healthy cardiovascular system and to shape and tones your muscles. Aerobics is mainly aimed at improving cardiorespiratory endurance and body composition and uses large body movements performed continuously so that the heart rate remains elevated. This section is mainly designed to promote body awareness, raise the core temperature of the body, and to increase the blood flow to the muscles. This class will also incorporate weight training, cardiovascular, and flexibility training.

PE ATHLETICS (VARSITY ONLY)

CODE 6095

GRADE LEVEL: 10, 11, 12

PREREQUISITE ~ Passed Core PE I, Varsity Coach's recommendation (signature), Athletic Director Approval

Description: This class is designed for athletes who are members of a Varsity athletic team. It is designed to provide the athletes the opportunity to train and practice in their respective sports year-round. In-class activities will include advanced weight training, plyometrics, speed and agility work, and sport specific drills.

PE CREDIT FOR TEAM SPORTS

Students who participate in a school sport for the entire season will receive 5 credits of PE *unless they are already enrolled in a PE class*. A maximum of 10 credits per school year will be allowed in this manner. Sports Teams that qualify for this credit are Cross Country, Football, Volleyball, Golf, Soccer, Cheerleading, Dance Team, Basketball, Wrestling, Baseball, Softball Track and Tennis.

First Semester Sports

Boys – Football, Cross Country, Golf, Soccer, Basketball, Wrestling

Girls – Volleyball, Cross Country, Golf, Football, Basketball

Second Semester Sports

Boys – Track, Baseball, Volleyball, Golf, Tennis, Basketball

Girls – Track, Softball, Soccer, Basketball, Tennis, Baseball

ADDITIONAL ELECTIVES

STUDENT LEADERSHIP

CODE: 9770

GRADE LEVEL: 9,10,11,12

PREREQUISITE ~ Must be a student body or class officer, be eligible, teacher approval. Application required

Description: Class provides the opportunity for student leaders to properly plan and implement their various student body responsibilities. Class develops individual and group leadership skills.

YEARBOOK PRODUCTION
PREREQUISITE ~ None

CODE: 1150

GRADE LEVEL: 9, 10, 11, 12

Description: A special projects class. Students must be responsible, capable of independent work on layouts, writing copy, proof-reading, paste-up, computer skills, photography and more. Extra time out beyond the school day is required to meet deadlines. Student must sign commitment contract. ***Elective Credit Only***

AVID 9

CODE: 6611

GRADE LEVEL: 9

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Beginning AVID class to help potential college bound students receive assistance to successfully acquire appropriate grades and skills to succeed in academic classes. Students will be exposed to college information, career education and planning, study habits, and tutorial help for coursework in academic classes. College campus visits may be included.

AVID 10

CODE: 6615

GRADE LEVEL: 10

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Second year AVID. Students continue to receive college information, support and tutorial help.

AVID 11

CODE: 6616

GRADE LEVEL: 11

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Third year AVID. Students continue to receive college information, support and tutorial help.

AVID 12

CODE: 6618

GRADE LEVEL: 12

PREREQUISITE ~ None

Meets UC/CSU requirements Area G

Description: Fourth year AVID. Students continue to receive college information, support and tutorial help.

STUDENT SERVICES, TA, and OFFICE AIDE (SPACE IS LIMITED)

GRADE LEVEL: 11, 12

PREREQUISITE ~ Teacher/Administrator Approval

Office Aide

CODE: 9700

Library Aide

CODE: 9710

Counseling Aide

CODE: 9720

Teacher Aide

CODE: 9740

Description: Students must have administration's permission to enroll for these classes. Students must be eligible and be on target for graduation. **DO NOT SIGN UP FOR THESE CLASSES UNLESS YOU HAVE ADMINISTRATOR'S PERMISSION.** Students signing up without permission will be assigned an alternative elective class.
