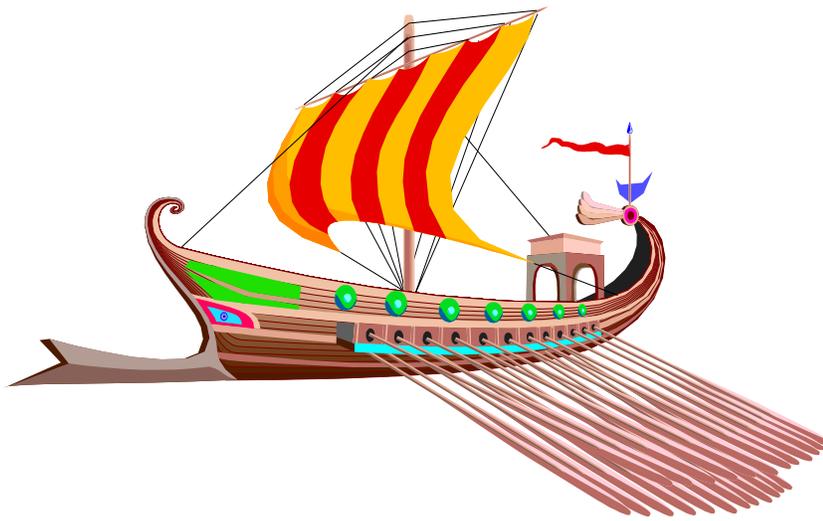


KINGSBURG HIGH SCHOOL



“VIKINGS”

**COURSE
DESCRIPTIONS
2017-18**

Principal's Registration Message:

Selecting classes for next year should involve discussion with your parents or guardian about your goals and aspirations for the future. Are you college bound? Are you thinking of technical training after high school? What post secondary training and employment do you want to pursue? Dream and plan so that your high school education is the stepping-stone to a bright future.

Your success in high school will be shaped by the capacity to dream about your future. What electives you select should be largely based on what you want to do and what you enjoy.

Always choose courses and alternates with care because changing them after school starts is not easily done. Classes begin to fill quickly and you will not be allowed to change into a class that is impacted, therefore, always choose wisely and carefully.

Fred Cogan
Principal
897-5156
fcogan@kingsburghigh.com

Counselors' Registration Message:

We hope your four years at Kingsburg High School are memorable and rewarding. Your high school career can be very instrumental in building your future. This book is designed to assist you and your parents in this important endeavor.

Please take time to read through this registration handbook to build your four-year plan. A student's success is directly related to planning, setting goals, and actively participating in educational pursuits. The counseling office is supportive, and we are available to help you with this process.

Please stop by and visit us!

Marlene Pavlina
Junior/Senior Counselor
897-5156, ext. 2005
mpavlina@kingsburghigh.com

Heather Apgar
Freshman/Sophomore Counselor
897-5156, ext. 2004
hapgar@kingsburghigh.com

**PROPOSED TEST DATES AND OFFERINGS FOR
2017-18**

TEST DATES
<u>Anticipated SAT I and SAT II</u>
August 26, 2017 October 7, 2017 November 4, 2017 December 2, 2017 March 10, 2018 May 5, 2018 June 2, 2018
<u>ACT</u>
September 9, 2017 October 28, 2017 December 9, 2017 February 10, 2018 April 14, 2018 June 9, 2018

**PSAT/NATIONAL MERIT SCHOLARSHIP QUALIFYING TEST
(PSAT/NMSQT)**

Wednesday, October 11, 2017

ADVANCED PLACEMENT PROGRAM

SUBJECT	TEST DATE
Biology	May (TBA), 2018
English Literature and Composition	May (TBA), 2018
US Government/Politics	May (TBA), 2018
United States History	May (TBA), 2018
Calculus AB	May (TBA), 2018
English Language and Composition	May (TBA), 2018
World History	May (TBA), 2018

CALIFORNIA STATE UNIVERSITY ENTRANCE REQUIREMENTS and UNIVERSITY OF CALIFORNIA ENTRANCE REQUIREMENTS

To be eligible an applicant must have successfully completed a specific sequence of high school courses. Those required courses are referred to as the A-G subjects. Fifteen units (one year equals one unit) are required. The minimum subject requirements (A-G subjects) are:

1.
 - a. History: 2 years history/social science, or government
 - b. English: 4 years of college prep classes
 - c. Mathematics: 3 years required, 4 recommended (***Algebra 1 or Algebra 1B, Geometry, Algebra 2; starting with class 2018, must pass Math 1A + Math 1B or Math 1, Math 2, Math 3***)
 - d. Laboratory science: (one physical and one life), 2 years required, 3 recommended
 - e. Foreign Language: 2 years of one language required, 3 recommended
 - f. Visual or Performing Arts: 1 year
 - g. College preparatory electives: 1 year required
2. The scholarship requirement: Grades of "C" or higher in all courses required. Grade point averages are combined with entrance exam scores to determine eligibility.
3. Examination requirement:
 - a. SAT I or ACT
 - b. SAT II (optional, check with specific college).

KINGSBURG HIGH SCHOOL GRADUATION REQUIREMENTS

MINIMUM GRADUATION REQUIREMENT: 230 Credits Total

CREDITS TO INCLUDE THE FOLLOWING:

- 4 years (40 credits) in English
- 3 years (30 credits) Math: At least 10 credits must be from classes that meet or exceed the content standards of Algebra 1 or Algebra 1B (starting with class 2018, must pass Math 1 or Math 1B)
- 1 year (10 credits) in Physical Science
- 1 year (10 credits) in Life Science
- 1 year (10 credits) in Health/Wellness
- 1 year (10 credits) in World History
- 1 year (10 credits) in U.S. History
- 1 semester (5 credits) in Civics
- 1 semester (5 credits) in Economics
- 1 year (10 credits) in Visual /Performing Arts
- 2 years (20 credits) in P.E. (unless excused by doctor for medical reason)

The remaining 70 credits or 7 classes may be chosen in any area

- Summer school, early bird classes, P.E. athletics, P.E. band, and P.E. color guard, and pep squad are options for those students who desire to take more electives.
- Advanced Placement classes in math, science, social science, English, history, and art are available to interested students.
- Regional Occupational Program (ROP) classes have specific grade level requirements. Please review each course description for information. Job Skills is open to **Seniors** only.

COURSE DESCRIPTIONS 2017-18

***Indicates that class meets A – G standards for University of California**

◆ Pending A- G approval

****Indicates that class has been accepted by NCAA.**

➤ Indicates dual enrollment class

~Pursuant to Education code 51228.1 this course does not contain specific academic content. The student and parent/guardian are required to submit Kingsburg High School waiver before student may participate in course offering.

AGRICULTURE DEPARTMENT

➤ **Agriculture Mechanics 1**

Grade level: 9 recommended; 10-12 accepted

Prerequisites: None

Agricultural Mechanics I is an introductory course designed to span a year of hands-on instruction targeted for student success in obtaining skills related in the mechanized agriculture field. The application of mechanics to the agriculture industry is one of the major job placement opportunities available to graduates. The skill obtained in the technical setting will provide the student completing the course with job entry skills. Students will obtain instruction in shop safety, woodworking, plumbing, electricity, concrete, cold metal, welding and other areas related to the agriculture industry.

➤ **Agriculture Mechanics 2: Agriculture Welding Skills**

Grade level: 10 - 12

Prerequisites: Successful completion of Agriculture Mechanics 1

Agriculture Mechanics 2 is a course designed to enhance and build upon the skills learned in Agriculture Mechanics 1. It will further train a student who plans on continuing their education or entering into the field of mechanized agriculture upon completing high school. The application of mechanics to the agriculture industry is one of the major job placement opportunities available to graduate students. The skills obtained in the technical setting will provide the students completing the course with job entry skills. Students will obtain instruction in welding, construction, blue printing, job site work conditions, surveying, and other areas related to the agriculture industry.

ROP Agricultural Mechanics Construction 3: Agriculture Welding Construction

Grade level: 11 - 12

Prerequisites: Agricultural Mechanics 1 and 2

Agricultural Mechanics 3 is a one year course designed to provide the students with the advanced skills to pursue either placement in a related field or to continue their education at a community college or university. The application of mechanics to the agricultural industry is one of the major job placement opportunities available to graduate students. The skills obtained in the vocational setting will provide the students completing the course with job entry skills. Students will enhance their knowledge and refine their skills relating to cutting, forming, and welding different types of metals. The students will also design and construct a project of their choice.

➤ **Agricultural Mechanics Fabrication 4: Agriculture Welding Fabrication & Career Preparation**

Grade Level: 12

Prerequisites: Agricultural Mechanics 1, 2, and 3

Agricultural Mechanics 4: Agricultural Welding Fabrication and Career Preparation is offered to students who have developed a strong understanding in welding technology as a basis for developing advanced skill. This course integrates mathematics and scientific principles to applied processes in the specialized field of metal fabrication. This course operates within an extensive laboratory to provide practical application and advanced instruction in foundry principles in the following welding processes: a) OFW b) OFC c) SMAW d) GMAW. The development of leadership and employable skills are emphasized throughout the course. The advanced program follows the Model Curriculum Standards and Program Frameworks for Agriculture Specialization in Agriculture Mechanics and Metal Fabrication as outlined by the California Department of Education. This course prepares students to pursue a career in Welding or a course of study in the field of Agriculture in post-secondary education.

Introduction to Agriculture

Grade level: 9 recommended; 10-12 accepted

Prerequisites: None

Introduction to Agriculture is an entry-level course designed to introduce students to the wide-range of activities involved in the agriculture industry. This course is used to help students gain an appreciation for agriculture and understand its importance in their daily lives. Another key aspect of this course involves leadership development in areas such as public speaking, critical thinking, goal setting and effective communication. Students are encouraged to further develop their leadership skills by actively participating in the FFA program and the many opportunities that it has to offer.

****Agriculture Earth Science***

Grade level: 9 recommended; 10-12 accepted

Prerequisite: Concurrent enrollment in either Introduction to Agriculture or Agriculture Mechanics

Ag Earth Science is a one-year, laboratory science course, designed for college bound students with career interests in Agriculture. Ag Earth Science is a comprehensive course that explores the Earth's composition, structure, processes, and history; its atmosphere, fresh water, and oceans; and its environment in space. Using agriculture as a learning vehicle, the course emphasizes the principles and practices of Earth Science as a way to demonstrate the relevance of Earth Science in Agriculture to each student's life and environment. Laboratory experiments introduce students to different lab techniques while building their skills in critical thinking, inquiry and observation. Topics include an exploration of the major cycles that affect every aspect of life including weather, climate, air movement, tectonics, volcanic eruptions, rocks, minerals, geologic history, the earth's environment, sustainability, and energy resources. In addition, learners will gain experience through leadership development, Supervised Agricultural Experience (SAE) projects, and career exploration in the area of agriculture.

****Applied Agriculture Biology***

Grade level: 10

Prerequisite: Completion of (or concurrent enrollment in) either Introduction to Agriculture or Agriculture Mechanics I

Applied Agriculture Biology is a one-year laboratory science course, designed for the college-bound student with career interests in agriculture. This course meets the life science portion of the two-year laboratory science requirement for California State Universities and the University of California. The curriculum includes these topic areas: cells, photosynthesis, cellular respiration, genetics, DNA, ecology, evolution and body systems. Evaluation is based on laboratory reports,

class assignments, homework, quizzes/tests, participation in student leadership activities (FFA) and maintaining an approved Supervised Agriculture Experience (SAE) program and keeping an up-to-date record book.

ROP Ornamental Horticulture

Grade level: 11 – 12

Prerequisite: Any two of the following agriculture courses passed with a 'C' grade or better:
Introduction to Agriculture, Applied Agriculture Biology, ROP Ornamental Horticulture, Agriculture Mechanics I or 2

Ornamental Horticulture is a one-year course offered through the Valley ROP Program. The course is designed to introduce students to a variety of experiences associated with the plant science field and the Ornamental Horticulture Industry. Students will obtain entry-level job skills in the areas of horticulture, landscape design, landscape maintenance, floriculture, business sales and communications. The course will be taught using the outdoor learning laboratory with special emphasis placed on the following topics: plant propagation, greenhouse and shade house maintenance, plant identification and selection, campus landscape projects, vegetable/flower gardens and retail sales projects. Offered for Junior level students, Senior level students accepted with instructor approval

ROP Advanced Environmental Horticulture

Grade level: 12

Prerequisite: Completion of the Ornamental Horticulture course with a C or better.

Advanced Environmental Horticulture Science is a one-year, ROP course designed to build on the foundations set in the Ornamental Horticulture course. Course is meant to be taken upon completion of the Ornamental Horticulture class. Students will enhance skills and experiences associated with the Horticulture industry. Students will apply skills in the areas of horticulture, landscape design, landscape maintenance, floriculture, business sales and communications. The course will be taught using an outdoor learning laboratory with special emphasis and practical application placed on the following topics: plant propagation, greenhouse and shade house maintenance, plant identification and selection, campus landscape projects, vegetable/flower gardens and retail sales projects.

➤ ROP Advanced Animal Science

Grade level: 11 – 12

Prerequisite: Any two of the following agriculture courses passed with a 'C' grade or better:
Introduction to Agriculture, Applied Agriculture Biology, ROP Ornamental Horticulture, Agriculture Mechanics I or 2.

Advanced Animal Science offers specific instruction in many key areas of the animal science industry. It will provide information, activities and skill development in the areas of scientific method, mammalian production and reproduction, health care, anatomy, physiology, nutrition, genetics and production management. Emphasis is placed on large animals that are most important to human culture as we know it today. Additional emphasis will be placed on industry practices to include record keeping, public relations and communications. Evaluation is based on class assignments, laboratory activities, homework, quizzes/tests, participation in student leadership activities (FFA) and maintaining an approved Supervised Agriculture Experience (SAE) program and keeping an up-to-date record book. Offered as a Senior level course, Junior level students accepted with instructor approval.

ROP Agriculture Sales & Marketing

Grade level: 11 – 12

Prerequisite: Any two of the following agriculture courses passed with a 'C' grade or better:
Introduction to Agriculture, Applied Agriculture Biology, ROP Ornamental Horticulture, ROP Advanced Animal Science, Agricultural Mechanics I, 2, or 3.

This course introduces students to the business world as it relates to agriculture -- the world's largest industry. It prepares students to perform tasks related to sales, marketing, managing business organizations, credit & finance, accounting and job preparation. Evaluation is based on class assignments, field study tours, guest speaker presentations, homework, quizzes/tests, participation in student leadership activities (FFA) and maintaining an approved Supervised Agriculture Experience (SAE) program and keeping an up-to-date record book.

BUSINESS DEPARTMENT

Intro to Business/Keyboarding

Grade Level: 9 - 12

Prerequisites: None

This course develops students' keyboarding skills which will help them in all classes offered at Kingsburg High School. In addition to keyboarding skills, students will be introduced to basic business concepts, resume writing, business letter writing, and personal finance. They will learn to utilize Microsoft Office Suite (Word, Excel, & Power Point); Google Drive (Docs, Sheets, Slides)' and Google Classroom.

➤ **ROP Multimedia Marketing**

Grades: 10 -12

Prerequisites: Successful completion of Keyboarding

The Multi-Media Marketing is a dynamic course using both creative and advertising systems processes and their practical applications. Students will learn how to effectively communicate with clients to discover project requirements, identify existing and new customers using traditional marketing such as "Print and display output" techniques and new channels for communicating with digital "Multi-Media" and "Social Media" tools. Students will apply their skills in teams that collaborate with school programs and the local business community to produce and develop effective Marketing campaigns projects and presentations using industry standard tools.

➤ **ROP Virtual Enterprise***

Grade Level: 11-12

Prerequisites: None

Virtual Enterprise is a simulated business that is set up and run by students to prepare them for working in a real business environment. Students learn about Economics-micro and macro - and its relationship to and impact on business operation in the private enterprise system. The students study supply and demand, the Federal Reserve System, taxation by local, state, and federal governments, business organizations, the stock market, and international transactions. The students determine the nature of their business, its products and services, its management and structure, and learn the daily operations of a business under the guidance of a consultant with the support of a real business partner. They use current business software packages and the Internet for business transactions using Economics as a factor in decision making.

ENGLISH DEPARTMENT

****English 1***

Grade level: 9

Prerequisites: Grade level

This is a one-year course for first-year students to study language and literature. This is a comprehensive English course with an emphasis on fiction and non-fiction literature study, composition, vocabulary development, critical thinking skills and communication skills. In addition, grade-level appropriate ERWC modules created and approved by college level educators are incorporated into the class to assist students in becoming college ready. Technology is used for instruction as well as for student application. This class meets the UC "A-G" requirements and covers the grade 9/10 common core standards.

****English 2***

Grade level: 10

Prerequisites: Grade level

This is a one-year course for second-year students to study language and literature. This class builds upon the language arts skills developed in English 1. Fiction and non-fiction literature are closely analyzed and used to assist students with written compositions as well as verbal responses. In addition, grade-level appropriate ERWC modules created and approved by college level educators are incorporated into the class to assist students in becoming college ready. Technology is emphasized through teacher instruction and student application. This class meets the UC "A-G" requirements and covers the grade 9/10 common core standards.

****English 3***

Grade level: 11

Prerequisites: Grade level

This is a one-year course for third-year students to study language and literature. It builds on the language arts skills developed in English 2. This English course has an emphasis on non-fiction and American literature, composition, speech, and other skills related to literature, language, communication, and media. In addition, ERWC modules created and approved by college level educators are incorporated into the class to assist students in becoming college ready. Technology activities are varied at this grade level and advance throughout the year. This class meets the UC "A-G" requirements and covers the grade 11/12 common core standards.

****English 3AP (Advanced Placement): Language and Composition***

Offered every year

Grade level: 11

Prerequisite: Successful completion of 10th Grade English with grade of C or better, completion of summer work schedule for AP Language, and teacher recommendation.

This one-year course available to third-year students offers the possibility of college credit upon passing the Advanced Placement test for those students who desire more challenging curriculum in English. Students will explore critical reading and writing through analysis of technical writing, literature and visual text using rhetorical, stylistic and literary devices. This rigorous course is for strong writers and readers who want a challenge and who want to be prepared for a strong collegiate experience. Use of technology in assignment completion is required. Successful completion of this course and passage of the test may allow students to gain credit for the college they attend. Completion of summer work is required. The course

includes preparation for the Language/Composition AP College Board Exam and meets the UC "A-G" requirements. The course and instructor have been certificated by the College Board. Estimated Cost: \$80 for the cost of the AP exam (fee waivers available).

****English 4***

Grade level: 12

Prerequisites: Grade level

This is a one-year course for fourth-year students to study language and literature. This is a comprehensive course to sharpen reading, writing, and study skills in preparation for college. It builds on the language arts skills developed in English 3. Emphasis will be placed on composition and essay skills and close readings of novels, plays and non-fiction pieces. In addition, ERWC modules created and approved by college level educators are incorporated into the class to assist students in becoming college ready. Technology usage demonstrates knowledge acquired through the grade levels. This class meets the UC "A-G" requirements and covers the grade 11/12 common core standards.

****English 4AP (Advanced Placement): Literature and Composition***

Offered every year

Grade level: 12

Prerequisite: Successful completion of 11th Grade English or AP Language with grade of C or better, completion of summer work schedule for AP literature, and teacher recommendation.

This one-year course for fourth-year students is an advanced and comprehensive college class that offers the possibility of college credit upon passing the Advanced Placement test. Students will explore both classic and modern literature from the recommended literature list of the College Board, as well as different forms of literary analysis and criticism. This course involves a great deal of writing and literary analysis and includes preparation for the Literature/Composition AP College Board Exam. Use of technology in assignment completion is required. Successful completion of this course and passage of the test may allow students to gain credit for the college they attend. A summer reading list and work over the summer is required. This class meets the UC "A-G" requirements. The course and instructor have been certificated by the College Board.

Estimated Cost: \$80 for the cost of the AP exam (fee waivers available).

English E

Grade Level: 9-12

Prerequisites: Department recommendation and CELDT score

This is a full-year course for English Language Learners who need basic second language skill development before/while being mainstreaming into regular English courses. Limited English learners are placed in this class by test results and recommendation. The curriculum includes basic reading, writing, and communicating in English which is planned to fit the individual student's language needs. When testing results show acceptable competency in English, the students are mainstreamed and/or exited, yet provided with support as needed. This course covers ELD common core standards.

Journalism 1

Grade level: 9-11

Prerequisite: Student must have a 'B' average in English or permission of teacher and must pass a test for admittance into the class. Keyboarding or typing experience is recommended but not mandatory.

The curriculum for Journalism 1 is designed to enable students to produce the monthly issue of the Viking Voice newspaper. Students may not advance to staff membership until they have passed a legal and ethics test. Students will be expected to master all steps of the writing process, as well as various forms of newspaper writing such as news writing, editorial writing, feature writing and sports writing. Students will be exposed to all elements of newspaper production including reporting, interviewing, fact verification, layout and design, editing, photography, ad sales and public relations. In addition, students will follow current events and analyze professional news writing. Participation in the production of the Viking Voice is mandatory.

Journalism 2*

Grade level: 10-12

Prerequisite: Successful completion of Journalism 1

As staff members of the Viking Voice and students of Journalism 2, students will be involved in all facets of newspaper production, as well as help train new staff members. The curriculum of Journalism 2 is designed to reinforce strong writing practices involved in newspaper production including reporting, interviewing, fact verification, layout and design, editing, photography, ad sales and public relations. Journalism 2 students will be expected to assume leadership roles in the class and on the newspaper staff.

Journalism 3

Grade level: 11-12

Prerequisite: Successful completion of Journalism 1 and 2

Students in this class are in their third year as staff members of the Viking Voice. Students are expected to model the characteristics of professional journalists and are expected to assume leadership roles in the class and on the newspaper staff.

Journalism 4

Grade level: 12

Prerequisite: Successful completion of Journalism 1, 2 and 3

This class is for experienced Viking Voice staff members in their fourth year of newspaper production. Students are expected to model the characteristics of professional journalists and are expected to assume leadership roles in the class and on the newspaper staff.

English Workshop

Grade level: 9

Prerequisites: Department/8th grade teacher recommendation and test scores

This a support class for students to improve reading and writing as well as organizational and study skills. It is taken in addition to English 1 to support basic language arts skills. Study groups/tutorials are used to assist the students with lessons and concepts from their English 1 class. The course covers English 9/10 common core standards. Elective credits are earned upon successful completion of the class.

Creative Composition♦

Grade level: 11-12

Prerequisite: Successful completion of English 2

This is a one-year course for grade 11 and 12 students to study the composition of language and literature. This is a comprehensive course to further develop reading, writing, speaking and listening, and writing skills in relationship to the grade 11/12 common core literacy standards.

Close readings of poetry, fiction, and creative nonfiction texts will be emphasized and students will compose written pieces in each genre of writing studied. Technology usage will be incorporated throughout daily course practices. Students may not repeat this course for a second year of credit. This class meets the UC "A-G" requirements and covers the grade 11/12 common core standards.

FOREIGN LANGUAGE DEPARTMENT

****Spanish 1***

Grade level: 9 - 12

Prerequisite: None

This is a one year course open to students with no background or knowledge of Spanish. A course in elementary Spanish, the emphasis is on the introduction to the Spanish language, acquainting the student with basic structures of Spanish grammar, conversation and vocabulary. Stressed are numbers, days, months, seasons, colors, foods, clothing, body, home, geography, weather, sports and transportation.

****Spanish 2***

Grade level: 10 - 12

Prerequisite: 'C' or better grade in completed Spanish 1 course

This is a year course in intermediate Spanish, a continuation of Spanish 1. Students will review and use all materials learned in Spanish 1 and will advance their knowledge of grammar (verbs) and vocabulary to a great extent. Emphasis is on listening, speaking, reading and writing.

****Spanish 3***

Grade level: 10 - 12

Prerequisite: 'C' or better grade from Spanish 2 or the equivalent of two years of Spanish

This is a year course for the student who has a basic knowledge of the Spanish language. Grammar and vocabulary previously studied will be reviewed and studied in depth. Present and preterit forms of the verbs will be reinforced. Introduced will be the future, conditional and perfect tenses, as well as the use of subjunctive. The students will read selected stories from various sources. Themes will be written based on the stories or on personal experience. Throughout the class the Spanish language will be used to discuss the events of the day or practical situations such as shopping, giving directions, family life, etc.

****Spanish 1-2***

Grade level: 9 - 12

Prerequisite: A good background in oral Spanish

A combination of Spanish 1 and 2, intended for the student who speaks or understands but needs to learn the grammatical aspects of the language as well as its culture and literature.

****Spanish 3 – 4***

Grade level: 10 - 12

Prerequisite: 'C' or better grade in Spanish 1 - 2 or the equivalent of three years of Spanish

The course is aimed at the student who has studied Spanish and is quite fluent. Emphasis is placed on reading, speaking, and writing with some grammar study for review. Throughout the class, the Spanish language will be used to discuss the stories and course content.

INDUSTRIAL TECHNOLOGY DEPARTMENT

Small Gas Engines

Grade level: 9-12

Prerequisite: None

This course trains students for entry-level jobs in the fast growing industry of small engine repair. Students will demonstrate ability to repair small engines such as lawn, garden, and small engines used in agriculture. Emphasis is placed on shop safety while performing an engine overhaul, repair, adjustment, troubleshooting, and small shop operation. Prepares students for the Outdoor Power Equipment (OPE) Category 1 Two and Four Stroke Engine Technician Certification – an industry recognized certification through the Outdoor Power Equipment & Engine Service Association (OPEESA).

Automotive Service & Maintenance

Grade level: 9-12

Prerequisites: None

This course introduces students to the servicing and maintenance of the automobile. Students will learn by performing maintenance tasks on engines, brakes, suspension, electrical, fuel systems and more. Students will also be expected to demonstrate safety in an automotive shop environment. Automotive industry standards (NATEF) and ASE certifications will be emphasized. Students who successfully complete the safety requirements will receive a certificate used in the automotive industry.

ROP Intro Residential Construction 1

Grade level: 9-12

Prerequisites: None

Advisory: Successful completion of Algebra 1 recommended

This course introduces students to basic skills in residential construction. Strong emphasis on safety, hand and power tools, interior and exterior finish, roofing, plumbing, and electrical. Students will be introduced to basic construction drawings and construction math. Students who successfully complete both semesters will receive 3 units to Fresno City College if Dual Enrolled and a NCCER certification card.

➤ ROP Construction Technology Interior 2

Grade level: 10 -12

Prerequisite: Successful completion of Intro Residential Construction 1

This course prepares students for the competency skills and knowledge necessary to enter the field of residential and light commercial construction. This year course provides student application at all of the various areas of construction, technology, wood products manufacturing, and interior building construction and will have an emphasis on finish carpentry. Included in the instruction will be specific applications of the career performance standards.

➤ ROP Construction Technology Exterior 3

Grade level: 10 -12

Prerequisite: Successful completion of Intro Residential Construction 1

This year-long course prepares students for the competency skills and knowledge necessary to enter the field of residential and light commercial construction. This is the second course in the residential

construction pathway. Students, after gaining basic construction skills, and tool knowledge in the Introduction to Residential Construction class, will learn in depth application at all of the various areas of construction, technology, wood products manufacturing, and exterior building construction. Included in the instruction will be specific applications of the career performance standards.

ROP Construction Shop Manager Internship 4

Grade level: 11-12

Prerequisites: Completion of Basic Residential Construction and Teacher approval

Advisory: Completion of Algebra 1 recommended

This advanced one year course builds on students' shop skills, tools and machine knowledge by providing them the opportunity to keep tool/part/consumable inventories, repair, adjust, and renew machinery and tools, and give students the chance to work as a team leader in the Construction Course, build jigs, small equipment, and install facility upgrades in a shop management internship. The student will learn to apply leadership skills by directing and supervising, production crew members from the construction class. There will be 4-5 internships open per year. Student must have teacher permission to sign up for the class.

MATH DEPARTMENT

Math Foundations

Grade Level: 9

Prerequisite: None. Placement determined by testing.

Math Foundations is a year course for students who need to strengthen their background in preparation for Math 1. The course covers operations with integers, patterns and functions, measurement, percents, decimals, fractions, ratio and proportion, probability and statistics, foundations of algebra, and foundations of geometry.

Math 1A*

Grade Level: 9, 10

Prerequisite: Satisfactory score on placement test

This course will follow the Common Core State Standards and emphasizes the main ideas of integrated 1 first semester, namely, Organizing Single Variable Data, Patterns and Linear Functions, Proportional Reasoning, Linear Equations: Solving, Graphing, Intercepts, and Slopes.

Required Materials: graph paper, ruler, compass, protractor, and graphing calculator.

****Math 1B***

Grade Level: 9, 10, 11

Prerequisite: Satisfactory score on placement test

This course will follow the Common Core State Standards and emphasizes the main ideas of integrated 1 second semester, namely Proportional Reasoning, Modeling Situations Using Multiple Representations, Area, and Perimeter, The Geometry and Algebra of Right Triangles, Statistical Analysis, and Probability.

Required Materials: graph paper, ruler, compass, protractor, and graphing calculator.

****Math 1***

Grade Level: 9, 10, 11

Prerequisite: Satisfactory score on placement test

This course will follow the Common Core State Standards and emphasizes the main ideas of integrated 1, namely Organizing Single Variable Data, Patterns and Linear Functions, Proportional Reasoning, Modeling Situations Using Multiple Representations, Linear Equations: Solving, Graphing, Intercepts, and Slopes, Area and Perimeter, The Geometry and Algebra of Right Triangles, Quadratics, Statistical Analysis, and Probability.

Required Materials: graph paper, ruler, compass, and protractor.

****Honors Math 1***

Grade Level: 9 - 10

Prerequisite: Placement is determined by placement test

Honors Math 1 covers the standard Math 1 curriculum (described above), with more depth and breadth, a faster pace, and more challenging work load.

Required Materials: graph paper, ruler, compass, and protractor.

****Math 2***

Grade Level: 10, 11, 12

Prerequisite: Placement is determined by Math 1

This course will follow the Common Core State Standards and focus on geometry through proofs and quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics 1. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. 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.

Required Materials: graph paper, ruler, compass, and protractor.

****Honors Math 2***

Grade Level: 10, 11

Prerequisite: Placement is determined by Honors Math 1 performance and available spots.

Honors Math 2 covers the standard Math 2 curriculum (described above), with more depth and breadth, a faster pace, and more challenging work load.

Required Materials: graph paper, ruler, compass, and protractor.

****Math 3***

Grade Level: 11, 12

Prerequisite: Placement is determined by Math 2

This course will follow the Common Core State Standards and focuses on algebraic, quadratic, polynomial, radical, rational, exponential, and logarithmic expressions/functions; introducing their characteristics, behaviors and real-world applications. The characteristics, behaviors and real-world applications of sequences and series are covered. A solid foundation of trigonometric skills and concepts is developed. The link between probability and data is explored through normal distributions along with gathering and interpreting data.

Recommended Materials: graph paper, ruler, compass, protractor, and graphing calculator.

****Honors Math 3***

Grade Level: 11, 12

Prerequisite: Placement is determined by Honors Math 2 performance and available spots.

Honors Math 3 covers the standard Math 3 curriculum (described above), with more depth and breadth, a faster pace, and more challenging work load. In addition, there will be an in-depth study of Trigonometric functions/identities necessary for success in Calculus.

Recommended Materials: graph paper, ruler, compass, protractor, and graphing calculator.

****Math Analysis***

Grade Level: 11-12

Prerequisite: Algebra 2.

Math Analysis builds a solid foundation of trigonometric skills and concepts. Topics covered include the trigonometric functions/graphs/identities, solution of triangles, vectors, polar coordinates, complex numbers, conic sections and logarithmic functions.

Required Materials: Graph paper, ruler, and a graphing calculator.

****Probability and Statistics***

Grade Level: 12

Prerequisite: Algebra 2

This course helps students gain a solid background in probability and statistics through group explorations, visualizations via the graphing calculator, and real-world applications. Topics covered include data gathering, data organizing, and data analysis including regressions, probability models, and tests of significance. It also helps students prepare for the ELM (CSU Math Entrance Test)

Required Materials: Graph paper, ruler, and a graphing calculator.

****Advanced Placement Calculus*** – (Offered every year)

Grade Level: 11-12

Prerequisite: Math Analysis or Honors Math Analysis

A.P. Calculus is a college level class, which is equivalent to two quarters of the freshman college sequence in calculus. Topics covered are elementary functions, limits and continuity, differential calculus, applications of derivatives, techniques of integration, and the definite integral. Most colleges grant advanced placement and/or credit for it.

Required Materials: Graph paper and a graphing calculator are required. Approximately \$70 is the cost for the A.P. exam (test fee waivers available).

Math for Daily Living

Grade Level: 12

Prerequisite: Algebra 1 or Algebra 1B

Math for Daily Living is designed for students who desire a background in the consumer math skills needed to function satisfactorily in society. Included are topics such as banking, taxes, installment buying, measurement, computation of wages, statistics, and basic algebra and geometry. This class is not open to students who have completed Algebra 2.

PHYSICAL EDUCATION/HEALTH

Health and Wellness A

Grade level: 9

Prerequisite: None

A full year required course for all freshmen. The course includes units in orientation to high school, habits for a successful student, and alcohol, tobacco, and other drug awareness. One quarter is spent in a unit on healthful living (mental health, personal fitness, nutrition, and weight control). The course also includes first aid and safety, family life education, and one quarter of driver education. The course focuses on knowledge that leads to healthy social behavior made by positive decision of lifetime habits.

There is a California Physical Fitness Test given to all freshman and results are reported to the State. The Kingsburg Joint Union High School District defines pass for the California Physical Fitness Test (PFT) as reaching the healthy fitness zone (HFZ) in five out of six tests given during a single testing window. The graduation requirement for physical education is that a student will pass three years of physical education, including 10 credits in Health and Wellness. PE credits can also be completed through PE athletics, PE band, and PE drill team under conditions outlined in the student handbook. Failure to pass the PFT will not prevent a student from meeting graduation requirements.

The six required components of the Physical Fitness Test will be administered through the following methods established by the California Department of Education:

1. Aerobic Capacity: Mile Run or Walk Test
2. Body Composition: Skin Fold Measurement, Body Mass Index or Electrical Impedance Test
3. Abdominal Strength: Curl Ups
4. Trunk Strength: Trunk Lift
5. Upper Body Strength: Push-Ups, Modified Pull-Ups or Flexed Arm Hang
6. Flexibility: Sit and Reach or Shoulder Stretch

A student who does not pass the PFT in ninth grade will continue enrollment in a PE class designed to help students meet the PFT requirement until the HFZ is met in five of the six PFT components during a single testing window. Summer school PE will count as continuous enrollment. The test will be given at the end of the spring semester each school year.

The textbook that is used is Lifetime HEALTH; a California State approved text.

Co-Ed Physical Education

Grade level: 9 - 12

Prerequisite: None

P.E. is a graduation requirement for all students who are not excused through a doctor's medical statement or who are not taking P.E. athletics. The program is co-educational and develops proper habits, attitudes, and ideals toward health and fitness. It develops skills in various activities which may be beneficially carried over into adult life. It affords opportunities for exercising such desirable social traits as leadership and cooperation; and to stress such character traits as fair play, courtesy, honesty, self-control, loyalty, truthfulness, and good sportsmanship. It develops essential safety skills and the ability to handle the body skillfully. The program also develops a reasonably adequate understanding of the rules, techniques, strategies of the various games and activities so that a maximum of enjoyment and benefit may be derived from participation and observation of them. Physical education provides for an opportunity for the release of emotional tensions through physical activities. It stresses a basic program of flag football, volleyball, tennis, soccer, basketball, badminton, weight lifting, softball, swimming and modern dance. Testing in physical education is done in areas of both skill and knowledge of the activities. There is a California Physical Fitness Test given once a year with State reporting required of all 9th graders. Estimated cost: Need P.E. uniform

and lock for gym locker. The lock must be a school lock. Student may purchase from the school for a cost of \$23 for both clothes and lock or \$5 for lock alone, or purchase own clothes which must be a plain white or gray t-shirt and green shorts or sweats. Student will provide tennis "type" shoes.

Co-Ed Physical Education/Weight Training

Grade level: 9-12

This is offered as an early bird class and would help to meet the graduation requirement for physical education.

Color Guard (Band/P.E)

Grade level: 9 - 12

Prerequisites: Students must try out for the instructor on basic skills.

A workshop will be held in the spring and students will be notified of the tryout date. The class requires many out of school rehearsals which include most Thursday nights in September and October. Color guard will be held only during the semester in conjunction with band, with the second semester in P.E.

Estimated cost: Approximate cost of \$70 to \$100 which includes uniform rental, shoes, shirt, etc. Some of this cost may be diverted with various fundraisers.

Athletic Conditioning

Grade Level: 9-12

Requirements: (The course to service students in an athletic program at KHS)

This course is intended to provide physical training in the weight room along with speed and conditioning training on the football fields, stadium & track. We will be doing dynamic stretching, lifting, and agilities training in the weight room. There will also be a variety of speed work on the field & track to improve all athletes' strength, explosiveness & running abilities. **Freshmen & Sophomore athletes are encouraged to join the class to start their physical training with the Junior & Senior athletes at KHS.**

SCIENCE DEPARTMENT

****Earth Science A***

Grade level: 9

Prerequisite: None

Earth Science satisfies the first year of the two year science requirement for graduation. Earth Science is designed to teach science skills, concepts and techniques that form a foundation for all future science courses.

Course content includes the Science Content Standards: Earth's Place in the Universe, Dynamic Earth Processes, Energy in the Earth System, Bio-geochemical Cycles, Structure and Composition of the Atmosphere, and California Geology. It also includes Investigation and Experimentation which focuses on the Scientific Method. Evaluation is based on experiments, written reports, projects, classroom assignments, homework and examinations. Rubrics are used for daily, weekly, laboratory, field and extra credit assignments. Technology is integrated throughout Earth Science including the use of data collection probes, calculators, aerial and satellite imagery, spreadsheets, graphing, statistics, projects, laboratories and networked, computer-assisted learning. Critical thinking is modeled throughout the course.

****Biology A***

Grade level: 10

Prerequisite: Passing grade in Earth Science.

This course satisfies the life science portion of the two year science requirement for high school graduation and the life science portion of the two-year laboratory science requirement for California State Universities and the University of California. This is a college preparatory course that introduces the student to the unifying principles of biology using a variety of learning strategies and technology. Course concepts are investigated using the scientific method and the metric system of measurement. The curriculum includes the following topics from the California Biology Content Standards: biochemistry, types of cells and their organelles, stability of ecosystems, genetic variation in the population, the structure of DNA and genes and how they code for proteins, biotechnology, evolution caused by genetic changes that occur in changing environments, maintenance of homeostasis in the human body with an emphasis on the nervous and endocrine systems, disease and the human immune system, and conducting scientific investigations and problem-solving. Projects and computerized probe-ware for some labs are integrated into the curriculum. Evaluation is based on laboratory reports, class assignments, homework, and tests and quizzes.

****Honors Biology***

Grade Level: 10

Prerequisites: 3.5 overall grade point average, "A" grades in Earth Science or Earth Science teacher recommendation with a "B+" grade in Earth Science, and "A" or "B+" grades in math.

This course satisfies both the life science portion of the two-year science requirement for high school graduation and the life science portion of the two-year laboratory science requirement for California State Universities and the University of California. And, like the Biology A course, this course introduces the student to the unifying principles of biology using a variety of learning strategies and technologies. Course concepts are investigated using the scientific method and the metric system of measurement. This Honors course gives students a good basis for advanced study in a number of science curriculum areas including AP Biology, AP Environmental Science, Analytical Chemistry, and AP Chemistry. Honors Biology includes a few advanced concepts not taught in Biology A, and will cover topics in greater depth than in the Biology A course. Whereas the AP curriculum includes a much broader scope, the topic areas covered by the Honors Biology course will focus on the California Biology Content Standards: biochemistry, types of cells and their organelles, stability of ecosystems, genetic variation in the population, the structure of DNA and genes and how they code for proteins, biotechnology, evolution caused by genetic changes that occur in changing environments, maintenance of homeostasis in the human body with an emphasis on the nervous and endocrine systems, disease and the human immune system, and conducting scientific investigations and problem-solving. Projects and computerized probeware for lab work will be integrated into the curriculum. Evaluation is based on laboratory reports, class assignments, homework, tests, and quizzes.

****Physics***

Grade Level: 11-12

Prerequisite: Algebra I, Geometry, Earth Science, and Biology with a letter grade of C or better or instructor's permission.

Physics is a study of the way the universe works. The primary focus of the course will be a conceptual understanding of the basic laws that govern our universe gained through a hands-on laboratory experience. However, the course will use mathematical equations utilized through

your Algebra course. Any trigonometry based calculations required will be reviewed as part of the course curriculum. During this year-long course the topics covered will include the following: motion, forces, gravity, energy, energy transfer, momentum, electromagnetic spectrum, and optics. The course assessment will be based on laboratory performance, assessment scores, multimedia presentations, as well as independent and group assessments.

****Chemistry***

Grade level: 11-12

Prerequisite: Earth Science, Biology, and Algebra 1 with a 'C' or better.

This chemistry course is designed for students who are college bound but may not be pursuing a career in science. The class will help students in the following ways: help realize the important roles that chemists will play in their personal and professional lives, use chemistry to think through and make informed decisions about issues involving science and technology and develop an awareness of the potential and limitations of science and technology. Topics to be covered include: matter, chemical formulas, chemical equations, atomic structure, the periodic table, chemical reactions, chemical bonding, types of compounds and their uses, the mole concept, and methods of predicting the results of reactions. Evaluation will be based on experimental report writing, class work, homework, creative projects and exams.

****Anatomy & Physiology***

Grade level: 11-12

Prerequisites: Earth Science and Biology.

This is an elective class for juniors and seniors. Anatomy / Physiology is an "A-G" UC approved lab biology course using a comparative anatomy approach to the study of the human body. Cats are dissected and compared to the human body in order to give the student a real experience into the complexity and intricacy of living organisms. The cat is often used in comparative anatomy in college classes to be representative in form and function to humans. The lab portion of this class will have frequent dissections of the cat as well as other isolated organs. Labs will also include histology, physiology experiments/observations, activities, etc. This class requires memorizing large amounts of material. Major systems of the human body will be studied including but not limited to the integumentary, skeletal, muscular, digestive, circulatory, excretory, nervous, endocrine and immune systems. This class is useful in knowing how the body works in order for students to better care for themselves and those around them who are aging, ill, or injured. This class intends to help prepare students who are interested in health professions such as nursing, physical therapist, doctor, dentist, veterinarian, etc.

Students will continue to develop laboratory, writing, scientific inquiry, and critical thinking skills as well as exploring career options and understanding what is required of health professionals.

****Astronomy and Geology***

Grade level: 10 - 12

Prerequisite: Earth Science and Biology with a 'C' or better this is an elective class.

This course is designed to foster a better understanding of our universe and how the geology of the earth, especially California, affects our lives. The astronomy section will cover three areas: the stars, galaxies and the universe outside our solar system, and other solar systems. Students will use computer simulations to depict astronomy events. The observatory will be used periodically to study the sun, stars, planets, comets and the moon. The geology section will cover selected topics in the structure of the earth, the forces that attach the surface; the forces that raise the surface, the oceans, atmospheric science, and earth's history. Special emphasis will be placed on California Geologic history and resources. Field trip possibilities include: the

ocean with whale watching and Yosemite National Park. Evaluation will be based on exams, class and homework assignments, reports and special projects.

****Advance Placement Biology*** – (Offered every other year)

Grade Level: College level course offered in grades 11 and 12 (College credit possible)

Prerequisite: Biology and chemistry with a 'B' grade or better or Biology with a 'B' grade or better and concurrent taking Chemistry.

This course is comparable in content to a full year college introductory biology course, usually taken by biology majors during their first year of college. Students may use this course to fulfill the college laboratory science requirement or a pre-professional requirement at most four year colleges and universities, which will enable them to start college with credits already earned. College credit is earned by a passing score on the standardized advanced placement test taken in May (check with the college you plan to attend for details). This course would be a good background for students interested in a biology-related career. The course covers four Big Ideas which include: Evolution, Energy and Communication, Genetics and Information Transfer, and Interactions. There is also a heavy emphasis on 7 Scientific Practices throughout several labs done inside and outside of class.

(See the AP Biology course description for more details:

<https://apstudent.collegeboard.org/apcourse/ap-biology/course-details>).

Multiple day-long field trips will also be taken to study California habitats for the ecology portion of the course. For those who complete the course, which includes taking the AP exam in May, an additional grade point will be added for those earning a 'C' or better. Estimated cost: \$91 for AP exam (test fee waivers available for those who qualify).

MESA 1

Grade Level: 9-12

Prerequisite: None

The MESA course is an introductory course in STEMS (Science, Technology, Engineering, and Mathematics). The purpose of the course is to introduce students to the field of Science and Engineering. This is a performance based course. The students in the course will design and construct a variety of mechanisms. These will include: Bridges (different types), Egg Drop, Mouse Trap Car, Glider, Robotics, Models of the heart and eye, Wind Energy, and Speech making. The course will use materials from the MESA program and KidWind that are designed to get students interested in the fields of math, science, and engineering. Students in the class will be required to participate in MESA activities at CSU Fresno and be a part of the MESA Club. Students will also become aware of offerings from colleges and preparation for college. The course will be designed to meet the A-G elective.

SOCIAL SCIENCE DEPARTMENT

****World History A***

Grade Level: 10

Prerequisite: None

A full year required course offered at the 10th grade level. This course follows the California State Standards for World History set forth by the Department of Education. This course studies the roots of democracy, modern history beginning with the enlightenment and concluding with

modern time. Benchmark tests will be given to assess and monitor student progress. This course meets the UC "A-G" requirements.

****Advanced Placement World History*** – (Offered every year)

Grade Level 10 – 12

Prerequisite – Teacher permission, 3.0 GPA overall and English teacher recommendations.

Advanced Placement World History is a broad look at the world; every inhabited continent and time period will be assessed during this course as guided by the *College Board*. Students will review major events between cultures and regions by comparing and contrasting groups' political, economic, religious, social, intellectual, and artistic developments through time.

There will be an emphasis on critical thinking and evaluation that will mirror the AP testing format in order to prepare students to take the AP test. In order to receive AP credit for the course, students must take the AP exam. Approximate cost for this course is \$87.00 (a fee waiver is available for students who qualify).

****U.S. History A***

Grade level: 11

Prerequisite: None

A full year required course offered at the 11th grade level. This approach to the study of U.S. History follows the California State Standards for U.S. History set forth by the Department of Education. Requirements include an understanding of current events and conditions to show their relationship to historical and social development through our country's past. This class meets the UC "A-G" requirements.

****Advanced Placement U.S. History*** – (Offered every year)

Grade 11-12

Prerequisites – Teacher permission, 3.0 overall GPA, 3.2 GPA in English/Social Science, recommendation of at least one social science and/or English teacher.

Complete summer homework assignment. Student must register and complete the AP U.S. History exam in order to receive AP credit.

AP United States History is a two-semester course that offers an issue-oriented approach in the study of the people of the United States and their history set forth by the criterion established by the AP College board. Major themes and traditions that make America exceptional will be explored in great detail. The course is designed to acquaint students with core characteristics and values found throughout the history of the United States and its people. An analysis of those events and significant individuals will be done on a continuous basis.

****Civics/Economics A***

Grade level: 12

Prerequisites: None

This class will explore economic and civic issues outlined by the California State Standards for Civics and Economics set forth by the Department of Education. Each topic is explored for a semester and meets the UC "A-G" requirements. Subject matter will include the local, state and federal governments in our daily lives. The Constitution, court procedure, political parties, voting rights and issues facing society today will also be explored.

Economic topics include common terms and concepts. An understanding of America's market economy, global impacts and the influence of the federal government will be introduced. Both micro and macro economics are included.

****Advanced Placement US Government and Politics*** – Offered every other year

Grade Level: 11-12

Prerequisite: Summer readings and assignments will be required upon entering course.

This course is taught using a current event perspective exploring issues both locally, nationally and globally. Students will be asked to take and defend positions on a variety of topics using the Constitution as a rationale to support their position(s). Debate, mock trials and philosophical chairs are some of the strategies used to engage in these topics.

Course Description from the AP Web Site: AP® United States Government and Politics is an intensive study of the formal and informal structures of government and the processes of the American political system, with an emphasis on policy-making and implementation. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes in government and politics. The concepts and specific topics examined in this course are those that may appear on the AP exam. **To receive the additional course credits students must take the AP test in May.**

Mock Trial

Grades 9-12 - elective

Students study courtroom law and protocol using criminal, civil and constitutional issues. This is a project based class that will be primarily using mock trials to learn court procedure, evaluation of testimony and rights of the accused. There will be a heavy emphasis on participation as this is a student driven environment as the class assumes the roles of attorneys, witnesses, the accused, plaintiffs, jurors and the judge. Students will take on dramatic roles as real life trials will be used, including actual testimonies both for historic cases and current cases. Guest speakers will be brought in to address particular careers in the legal field. Additionally, students will have the option of participating in the Fresno County Mock Trial Competition against other Fresno area schools, visiting courthouses and law firms.

SPECIAL EDUCATION

The following classes are only available to students who are enrolled in special education.

Tutorial

Prerequisite: Teacher recommendation for the class, not open enrollment.

Tutorial class is designed to increase student success by addressing academic skills. It helps students improve their organization, work completion, study skills, and self-advocacy. Students will receive assistance with assignments given in general education classes and tutoring in areas identified in their IEP goals.

Tutorial 12

Prerequisite: Teacher recommendation for the class, not open enrollment

Senior tutorial is a class designed to help special education students in their senior year focus on transition skills to post-secondary options. It helps students improve their organization, work completion, study skills, and self-advocacy. Students will work on college applications, creating resumes, and other skills to become more prepared for post-secondary school or vocational training. Students will receive assistance with assignments given in general education classes and tutoring in areas identified in their IEP goals.

Life Skills Tutorial

Prerequisite: Teacher recommendation for the class, not open enrollment

Life skills tutorial is a class designed to teach independent living skills. Students enrolled in this course will learn how to function in everyday life situations. This class will also introduce basic job skills necessary to function in entry-level jobs. Students' IEP goals will be worked on during the class.

VISUAL AND PERFORMING ARTS DEPARTMENT

Art 1*

Grade level: 9 - 12

Prerequisites: None

This course is a basic introduction to art. The student learns to be more visually aware through the study of the principles and elements of design. Students experiment with a variety of materials in dealing with specific problems in color theory, perspective, sculpture, ceramics, drawing, and painting. Aspects of art history and cultural influences will be explored. Practical application of gained knowledge may be applied to art-related careers and other vocational areas.

Drawing and Painting 1*

Grade level: 10 - 12

Prerequisites: Art 1 and recommendation of instructor

Students will investigate different materials and techniques of drawing and painting. Individual expression and content are emphasized. The importance of historical developments on contemporary art is stressed along with reinforcement of the elements and principles of design. Critical analysis is developed through critiques and analytical papers. Specialized materials to keep may be purchased through course instructor.

Drawing and Painting 2-3*

Grade level: 10 - 12

Prerequisites: Completion of Draw & Paint 1 and recommendation of instructor

Students will investigate different materials and techniques of drawing and painting. Individual expression and content are emphasized to develop a body of work concentrating in one area. The importance of historical developments on contemporary art is stressed along with reinforcement of the elements and principles of design. Critical analysis is developed through

critiques and analytical papers. This course is recommended for the AP Art Studio course offered every other school year. A student portfolio of digital images of their work will be assembled.

Beginning Ceramics*

Grade level: 9 – 12

Prerequisite: None

This course introduces creative experimentation in various materials including clay, paper, wood and wire. The elements and principles of design will be emphasized and related to three-dimensional projects. Discussion on the purpose of art in selected cultures will be studied. Students will learn the basic hand-building techniques of ceramics (pinch, coil and slab). Methods of surface decoration and glazing will be explored.

Advanced Ceramics/Sculpture 1, 2, 3*

Grade level: 10 - 12

Prerequisites: Completion of Ceramics/Sculpture and recommendation of instructor

The main emphasis will be achieving student competence on the potter's wheel and advanced work in all ceramic hand building and sculpture techniques emphasizing design and excellent craftsmanship. A variety of firing methods will be explored and students will work with glaze recipes. A student portfolio of digital photographs will be assembled.

Women's Ensemble*

Grade level: 9 - 12

Prerequisites: Students must be able to match pitches. Previous music training is suggested but not required.

The course is the study and practical application of all phases of choral music. Students will sing in multiple part sections based on the demands of the repertoire. The class requires a few out of school rehearsals, a few public performances, and availability for a festival performance trip, if approved by the school. In the event Women's Ensemble combines with other ensembles, rehearsals outside of class will be scheduled close to festival and concert dates in order to rehearse this larger group.

Estimated Cost: Girls in Women's Ensemble will be expected to participate in all music department sanctioned fundraisers. In the event an overnight choir trip is scheduled each student will have the option of fundraising, paying directly, or a combination of both for the cost of the trip. Girls will be assigned a music department owned black concert gown at no additional cost to them. Girls who wish to purchase their own concert gown may do so at current catalogue prices. Yearly dry-cleaning of gowns is covered by class fundraisers. Girls must provide black dress shoes to accompany the concert look.

Men's Ensemble*

Prerequisites: Students must be able to match pitches. Previous music training is suggested but not required.

The course is the study and practical application of all phases of choral music. Students will sing in multiple part sections based on the demands of the repertoire. The class requires a few out of school rehearsals, a few public performances, and availability for a festival performance trip, if approved by the school. In the event Men's Ensemble combines with other ensembles, extra

rehearsals outside of class will be scheduled close to festival and concert dates in order to rehearse this larger group.

Estimated cost: Boys in Men's Ensemble will be expected to participate in all music department sanctioned fundraisers. In the event an overnight choir trip is scheduled each student will have the option of fundraising, paying directly, or a combination of both for the cost of the trip. Each Men's Ensemble member will be issued a department owned full tuxedo package including jacket, pants, shirt, tie, and cummerbund. Students will participate in department fundraisers to help offset the cost of yearly dry-cleaning fees for the outfits. Boys may also purchase their own full tuxedo package at current catalogue prices. Boys will provide their own black dress shoes and black dress socks.

Concert Choir*

Grade level: 9* - 12

Prerequisites: Interested singers are required to have a choral interview with the instructor prior to entering. Prospective students should make arrangements for this interview in advance of signing up for the class. Students must be able to match pitch.

Previous experience in Women's Ensemble or Men's Ensemble is advised.

*Incoming 9th graders should have prior musical/singing experience in 7th and 8th grade.

Concert Choir is the study and practical application of all phases of choral music at an intermediate to advanced level. Students will sing in multiple part sections based on the demands of the repertoire. The class requires a few out of school rehearsals, a few public performances, and availability for a festival performance trip, if approved by the school. Because of this extra rehearsals outside of class will be scheduled close to festival and concert dates in order to rehearse this larger group.

Estimated Cost: Concert Choir members will be expected to participate in all music department sanctioned fundraisers. In the event an overnight choir trip is scheduled each student will have the option of fundraising, paying directly, or a combination of both for the cost of the trip. Girls will be assigned a music department owned black concert gown at no additional cost to them. Girls who wish to purchase their own concert gown may do so at current catalogue prices. Yearly dry-cleaning of gowns is covered by class fundraisers. Girls must provide black dress shoes to accompany the concert look. Boys will be issued a department owned full tuxedo package including jacket, pants, shirt, tie, and cummerbund. Boys may also purchase their own full tuxedo package at current catalogue prices. Boys will provide their own black dress shoes and black dress socks.

Chamber/Jazz Choir*

Grade level: 9* - 12

Prerequisites: Choral interview, previous experience in concert choir is advised; students in jazz choir must also sing with the Concert Choir. *Incoming 9th graders should have prior musical/singing experience in 7th and 8th grade.

The class includes technical studies relating to jazz, swing, rock and blues singing. Some out of school rehearsals are required as preparations are made for several public performances including several Dickens Carolers performances scheduled in December, the Columbia Vocal Jazz Festival and the Reno Jazz Festival in the spring. The Jazz Choir often receives special requests to perform at various functions throughout the school year. Jazz Choir members are also part of the Concert Choir. Because of this, extra rehearsals outside of class will be scheduled close to festival and concert dates in order to rehearse this larger group. This class

fulfills the fine arts requirement for graduation and college entrance. The student must maintain a 2.0 grade point average or he/she will be put on a contract for the next quarter. If grades fall below a 2.0 for one more quarter that school year the student will be dropped from the class.

Estimated Cost: Jazz Choir students will be expected to participate in all music department sanctioned fundraisers. In the event an overnight choir trip is scheduled, each student will have the option of fundraising, paying directly, or a combination of both for the cost of the trip.

Girls will be assigned a music department owned black concert gown at no additional cost to them. Girls who wish to purchase their own concert gown may do so at current catalogue prices. Yearly dry-cleaning of gowns is covered by class fundraisers. Girls must provide black dress shoes to accompany the concert look.

Boys will be issued a department owned full tuxedo package including jacket, pants, shirt, tie, and cummerbund. Students will participate in department fundraisers to help offset the cost of yearly dry-cleaning fees for the outfits. Boys may also purchase their own full tuxedo package at current catalogue prices. Boys will provide their own black dress shoes and black dress socks.

The concert dress for Jazz Choir performances is typically black in nature but will vary by student. Exact guidelines will be established the first or second week of school during class time. It is the responsibility of the student to provide this complete outfit.

EB Jazz Band*

Grade level: 9 - 12

Prerequisites: Audition or instructor's approval and must be a member of Wind Ensemble, Symphonic Band or Percussion. Auditions are usually the second week of school.

This course is offered as an Earlybird class. The course covers technical study and aesthetic elements of jazz, swing, rock and blues. Some out of school rehearsals are required, as are several public performances. This class fulfills the fine arts requirement for graduation and college entrance and meets the UC "A-F" requirements. This class meets before school during the "early bird" period.

Estimated cost: Repair of instrument in student's care and cost of trips. First year members also need to purchase the official Jazz Band shirt. Other costs may arise depending on trips, clinicians and funding sources.

Percussion*

Grade level: 9-12

Prerequisites: Audition required and previous musical training

This class will study the techniques and performance practices unique to the percussion section. A successful audition and previous musical training is required for entrance into this class. All members of this class will be members of the competitive marching band in the fall and will make up the percussion section of the Wind Ensemble in the spring. Graded Thursday night rehearsals are required from August into November. Attendance at all scheduled rehearsals and performances is required for all members and is part every member's grade. This class fulfills the fine arts requirements for the first semester with a passing grade. This class also meets the UC "A-G" requirements. Estimated Cost: Purchase of shoes and other uniforms items, reeds, etc. Percussionists will need to supply their own drum sticks.

Symphonic Band*

Grade level: 9-12

Prerequisites: None

This course is for anyone who plays a woodwind, brass or percussion instrument. Previous musical experience is preferred, but students who are serious about learning an instrument may sign up as a beginning student with no experience required. All members of Symphonic Band will be members of the pep band at football games and will perform in our two in-town parades. This class fulfills the fine arts requirement for graduation and college entrance and fulfills the P.E. requirements for the first semester with a passing grade. This class also meets the UC "A-G" requirements. Estimated Cost: Purchase of shoes and other uniform items, reeds, etc. Students may need to supply their own instrument. Percussionists will need to supply their own drum sticks.

Wind Ensemble*

Grade level: 9-12

Prerequisites: Audition required and previous musical training

Wind Ensemble is a major performing ensemble for students who are serious about advancing their musicianship to a high level. Successful audition is required for entrance into this class. This class will study a wide range of music designed to emotionally connect students to music. All members of this class will be members of the competitive marching band. Graded Thursday night rehearsals are required from August into November. Attendance at all scheduled rehearsals and performances is required of all members and is part of every member's grade. This class fulfills the fine arts requirement for graduation and college entrance and fulfills the P.E. requirements for the first semester with a passing grade. This class also meets the UC "A-G" requirements. Estimated Cost: Purchase of shoes and other uniform items, reeds, etc. Students may need to supply their own instrument.

Drama/Theatre I*

Grade level: 9 - 12

Prerequisite: None (however participation in the fall and spring productions are encouraged)

This elective course will explore various elements of drama, speech, and oral interpretation of literature. It covers performance techniques such as pantomime, improvisation, stage combat, monologues, and scene acting. Historical and technical aspects of theatre are also covered. Viewing and critiquing one dramatic performance outside of class each semester is required.

Stagecraft and Design♦

Grade Level: 10-12

Prerequisite: None

This course is designed to prepare students for entry-level jobs in theater and stage production, including: stage management, production assistance, set design, wardrobe/costume production. Stage carpentry, sound and light design/operation, property mastery, set design, painting and publicity. Students will acquire knowledge in the use, care, safety practices and upkeep of equipment and supplies involved in Stage Production. Practices, hands-on learning will accompany all classroom training through work in school or community theater productions. Advanced students may apply specific focus to areas of interest (e.g. costume research, design, cutting sewing and stage maintenance) for a semester project.

Articulations: Meets UC "a-g" requirement.

NON-DEPARTMENTAL

~Elementary Aide

Grade level: 10 – 12 (pass/fail grading)

Prerequisite: Grade point average of 2.0 or better, in good standing specific to attendance and discipline

This class is pass/fail grading. Students assist the teacher in the classrooms at Washington, Roosevelt, Lincoln, Rafer, CVHS (Central Valley Home School) and Reagan Schools. Being an aide requires genuine interest in children and you must have the ability to be of service to the teacher to whom you are assigned. Students must walk daily to and from the assigned school. Attendance is recorded daily. The Kingsburg Elementary dress code as well as the Kingsburg High dress code must be followed. Excessive absences could cause a student to be removed from this class as the elementary teachers count on their reliability. RC procedures will apply to truancies and can result in permanent placement in RC.

~Library Aide

Grade level: 11-12 (pass/fail grading)

Prerequisite: Grade point average of 2.0 or better and permission of the library media teacher prior to registration.

Students must be capable of assisting with normal library procedures. These include circulation and care of library materials (books, magazines, newspapers), shelving of materials, and helping other students locate library resources as needed. In addition, students will help maintain a neat and orderly library and computer lab which includes shelf checking on a weekly basis, cleaning library tables, computer work stations, shelves, straightening of library furniture, and running errands on campus. Experience with computers is a plus, as students will be trained in using the library computers for circulation and location of materials both print and electronic; as well as using Microsoft Office Suite and Google for projects assigned by Ms. Vallenari. Students should be willing to complete projects as assigned without direct supervision. Students are expected to maintain a welcoming, nurturing and respectful environment in the library at all times.

~Office Aide

Grade level: 11 – 12 (pass/fail grading)

Prerequisites: GPA of 2.0 or better and approval of appropriate office staff

Open to students of satisfactory academic standing. Student must have the ability to work closely with staff and fellow students. He/she must also show a willingness to learn office skills and show confidentiality when dealing in any school matters. Training will include various office procedures: Filing, counter assistance (tardies, off-campus passes, call slips, public relations, etc.), time management and organization, and duplicating. The student will be expected to show resourcefulness, responsibility, and a cheerful attitude. Enrollment limited to 2 per period. The grade for this class is Pass/Fail.

~Teacher Aide

Grade level: 11 – 12 (pass/fail grading)

Prerequisite: Grade point average of 2.0 or better and permission of the instructor prior to registration

Students must be capable of assisting the instructor with organization of materials and other assigned duties. Students must have permission of the instructor prior to signing up for the aide class.

~Job Skills

Grade level: 12 (pass/fail grading)

Seniors can take 1 or 2 periods of Job Skills if they are on target for graduation, show proof of employment and have a work permit if under 18. The work permit must be on file in the school office, and a copy of a regular paycheck stub with deduction shown, must be given to the Job Skills Coordinator each time a student is paid. A student must work 150 hours a semester for 1 class of Job Skills and 300 hours for 2 classes. A student must notify the coordinator of any change in employment that might affect hours worked.

Leadership Development

Grade Level: 10-12

Prerequisite: Class is restricted to elected and or appointed student Leaders (current or prior) or students interested in developing leadership skills.

Student Leadership Development affords practical experience in democratic leadership through management of student government and other student leadership experiences. This course will also afford students opportunities to develop practical leadership skills such as: servant leadership, public speaking and writing skills, group processes, improve school involvement and peer relationships, share responsibilities with adults. It will have a mix of academic course work, project learning and practical applications. Students may be interviewed by the instructor regarding their commitment of time and effort required for this class. Students must be willing to work during and often after school hours to complete various projects. We are encouraging anyone wanting to be an elected ASB or class or club officer to join this class.

Year Book

Grade Level: 11 -12

Prerequisites: None

Through this course, students will demonstrate their advanced skills in the art of writing, designing and managing a publication. Journalistic writing, photography, theme development and graphic design will be covered to produce the student annual (yearbook). Advertising and marketing strategies will be implemented as students hone their communications skills. Industry standard technology and software will be used to complete writing and layout assignments. Students will build upon their basic design and graphic skills and progress to an advanced level. Students will also demonstrate their ability to gather information independently, organize the information for effective writing, and lead their peers to make deadlines. Students will also be exposed to fostering professional business relationships and public relations fundamentals.

AVID (Advancement Via Individual Determination) Department

AVID 9*

Grade Level: 9

Prerequisite: Interview and instructor approval. See below for details.

AVID stands for Advancement Via Individual Determination. It comes from the Latin word *avidus*, meaning eager for knowledge. *Basically*, AVID is about *getting ahead and reaching your goals through your own desire to learn and succeed*. AVID is a class for students who have a 2.5 to 3.5 GPA, are ready for Algebra I or higher as freshmen, and who have a desire to go to

a 4 year college when they graduate. In this class, students learn organization, note-taking and leadership skills. We visit colleges and listen to motivational speakers. During class, we run tutorials to help you with your coursework in other classes. We help students with the Common Core as well as college testing like the SAT, SAT II and the ACT. During the senior year, we work on college applications, scholarship applications and the FAFSA. AVID is a four year commitment, but students may add the course during their 10th, 11th or 12th grade year with instructor approval.

AVID 10*

Grade Level: 10

Prerequisite: Previous enrollment in AVID 9 or instructor approval. On track with A-G courses. See below for details.

AVID stands for Advancement Via Individual Determination. It comes from the Latin word *avidus*, meaning eager for knowledge. *Basically, AVID is about getting ahead and reaching your goals through your own desire to learn and succeed.* AVID is a class for students who have at least a 2.5 to 3.5 GPA and are on track for admission to a 4 year college. In this class, students learn organization, note-taking and leadership skills. We visit colleges and listen to motivational speakers. During class, we run tutorials to help you with your coursework in other classes. We help students with the Common Core testing as well as college testing like the SAT, and the ACT. During the senior year, we work on college applications, scholarship applications and the FAFSA. AVID is a four year commitment, but students may add the course during their 10th, 11th or 12th grade year with instructor approval.

AVID 11*

Grade Level: 11

Prerequisite: Previous enrollment in AVID 9-10 or instructor approval. On track with A-G courses. See below for details.

AVID stands for Advancement Via Individual Determination. It comes from the Latin word *avidus*, meaning eager for knowledge. *Basically, AVID is about getting ahead and reaching your goals through your own desire to learn and succeed.* AVID is a class for students who have at least a 2.5 to 3.5 GPA and are on track for admission to a 4 year college. In this class, students learn organization, note-taking and leadership skills. We visit colleges and listen to motivational speakers. During class, we run tutorials to help you with your coursework in other classes. We help students with testing preparation such as the Common Core, SAT and SAT II as well as the ACT. During the senior year, we work on college applications, scholarship applications and the FAFSA. AVID is a four year commitment, but students may add the course during their 10th, 11th or 12th grade year with instructor approval.

AVID 12*

Grade Level: 12

Prerequisite: Previous enrollment in AVID 9-11 or instructor approval. On track with A-G courses. See below for details.

AVID stands for Advancement Via Individual Determination. It comes from the Latin word *avidus*, meaning eager for knowledge. *Basically, AVID is about getting ahead and reaching your goals through your own desire to learn and succeed.* AVID is a class for students who have at least a 2.5 to 3.5 GPA and are on track for admission to a 4 year college. In this class, students learn organization, note-taking and leadership skills. We visit colleges and listen to motivational speakers. During class, we run tutorials to help you with your coursework in other

classes. We help students with college testing such as the SAT and SAT II as well as the ACT. During the senior year, we work on college applications, scholarship applications and the FAFSA. AVID is a four year commitment, but students may add the course during their 12th grade year with instructor approval.

ON-CAMPUS Non-Departmental ROP COURSES **AVAILABLE TO KINGSBURG HIGH SCHOOL STUDENTS**

ROP Introduction to Teaching

Grade Levels: 11 – 12

Prerequisites: None

This course orients students to careers in teaching for grades K-12. It describes the role of teachers in public schools, curriculum, history of education, student issues, and leadership characteristics of teachers. It requires observations of teacher-pupil interaction, instructional approaches, classroom management in elementary, secondary, and/or middle schools on school sites weekly and journaling of observations to assist with career identification. It consists of community classroom hours to be completed by each student in a K-12 classroom. Students will participate with student tutoring, lesson plan development, lesson delivery, and student activities.

ROP Sports Medicine*

Prerequisites: Pass Biology with “C” or higher.

This health science course introduces students to the field of Sports Medicine and other allied health professions. Basic anatomy and physiology concepts provide the framework of study. Other content areas include prevention of injuries, protective taping and wrapping techniques, stretching methods, overall wellness, injuries, therapeutic modalities, and drug related topics. Students enroll in this one-period theory class during the day and will **with instructor permission** participate in 10 additional hours, each semester in a community classroom or vocational experience situation for real world training; i.e., as student athletic trainers after school.

➤ ROP First Aid Safety & Medical Terminology

Grade Level: 11 - 12

Prerequisites: None

First Aide Safety - This course is taught as part of the Health Careers Pathway. It is a semester-long course and is taught in conjunction with Medical Terminology. A component of the class will be to explore careers in health care. The First Aid and Safety class certifies in American Red Cross Community First Aid and Safety. Certification in American Red Cross Community First Aid and Safety meets the requirements for various types of employment in health care and other types of jobs. Students will also certify in CPR for adult, children, and infants. ***This course is open to junior and seniors or students who are 16 years or older. 2+2 and Occutracked course through Fresno City College. Note: 2 descriptions need to be combined.***

Medical Terminology - This course is taught as part of the Health Careers Pathway. It is a semester-long course and is taught in conjunction with First Aid and Safety. The Medical Terminology course prepares students for entry-level positions into numerous occupations in health care and gives the student a fundamental understanding of the human body. Students

study the body systems including anatomy and physiology, pathology, diagnostics, symptomatic and therapeutic terms, numerous medical procedures, abbreviations, pharmacology terms, and medical records. Students also learn combining forms, prefixes and/or suffixes, which enable them to understand and comprehend the language used in health care.

➤ **ROP CNA (Pre-Certification Nursing Assistant)** -(NAT101 – 6 Units)

Grade Level: 12

Prerequisites: Student must be a senior, have a GPA of 2.5, and have a social security card to be eligible to enroll in this course. Class size limited to 20.

This yearlong class is a two-hour block; 20 units per year. This approved California Department of Public Health Pre-Certification Nursing Assistant class includes classroom instruction and clinical hours in a long-term care facility. The course instructs students on the care of geriatric residents. An RN or LVN teaches and supervises the class. After successfully completing the required number of hours of supervised study and hands-on practice and maintaining a 70% GPA or better, the student is eligible to take the **California State exam for the Certified Nursing Assistant license**. Certified Nursing Assistants are in demand at long-term care facilities, hospitals, assisted living, doctor's offices, and home health agencies. Students are responsible to pay for the state exam (\$90). They must be able to obtain Department of Justice fingerprint clearance. Fingerprinting, uniforms, TB test, and physicals are provided by Valley ROP. ***This course is open to students of senior status.***

➤ **ROP Crime Scene Investigation** - (CRIM8 – 3 Units)

Grade Level: 11 - 12

Prerequisites: None

The Crime Science Investigation (CSI) course is designed to develop an awareness of the various components of criminal investigation. The emphasis is placed on the development of attitudes, skills and competencies related to criminal investigation. This course introduces the student to the study of criminal investigative techniques and analysis. The focus throughout the course will be collection, protection, and preservation of evidence as it relates to the investigative process. Writing and computer skills are emphasized throughout this course. This course is open to juniors and seniors or students who are 16 years or older.

➤ **ROP Criminal Justice** - (CRIM1 – 3 Units)

Grade Level: 11 - 12

Prerequisites: None

This course is designed to develop an awareness of the various law enforcement occupations. The emphasis is placed on the development of attitudes, skills and competencies related to the criminal justice system in the U.S. The focus will be on the realities of enforcement and apprehension at the federal, state, and local levels, prosecution, courts, and the disposition of the people charged with the commission of crimes. Throughout this course, writing skills and students' abilities to deal with people will be stressed. This course is open to juniors and seniors or students who are 16 years or older.

➤ **ROP Digital Photography*** – (PHOTO5 – 3 Units and Photo12 – 3 Units)

Grade Level: 10-12

Prerequisites: None

This course teaches basic photography skills, focusing on the digital format as taught through hands-on and out of the book assignments, as well as various other forms of instruction. The use of digital cameras, PhotoShop image editing software, printers and computers are the core of this course. Areas covered include digital camera technique, printmaking, photographic fundamentals and design, portrait retouching, photo materials and accessories. Students additionally produce photographs for school and community publications, activities, exhibits, presentations, critiques and competitions. A final portfolio will emphasize artistic techniques in photographic and graphic image design. This course covers the basic skills and knowledge needed to enter the photographic field or to continue advanced photographic training at a community college or trade school. This course also offers the opportunity for students to practice and test for the industry standard Adobe Certified Associate (ACA) Certification.

ROP Advanced Digital Photography

Grade Level: 11-12

Prerequisites: Digital Photography

This course is available to students who have already completed two semesters of Digital Photography. The course is designed to further the training and knowledge needed to enter the photographic field or to continue advanced photographic training at a community college or trade school through the use of digital cameras, Photoshop image editing software, printers and computers. With the completion and evaluation of numerous independent lab projects, students work directly with school and community based publications (newspaper, yearbook, newsletters, clubs, organizations) producing photography and graphic imagery, exhibitions, competitions and presentations at an advanced level. Students are also expected to assist in the operation and maintenance of the digital lab and assisting beginning digital photography students. Leadership and managing skills are emphasized.

***Regional ROP Programs AVAILABLE TO KINGSBURG HIGH STUDENTS
(Located on Reedley College Campus)***

These courses are held off-campus at Reedley College. Regional program registration authorization forms must be completed, signed by parents/guardians, on file at Valley ROP. The classes are held in two-hour blocks. Student is responsible for their own transportation.

➤ **Aviation Maintenance Technology**

(FLIGHT 101-FLIGHT 102-FLIGHT 103 for a total of 8 College Units)

Grade Level: 11 and 12

Prerequisites: Junior/Senior Status and a GPA of 2.5 or higher (Recommended)

This course is a 2-hour block (1:30 – 3:30 p.m.). This course is designed to train students for entry-level jobs in the fast growing industry of Aviation Maintenance and Commercial Airplane Pilots. The curriculum is designed to accommodate students with no previous flying experience. Courses will systematically prepare students for the FAA knowledge requirements for the certificates and ratings required to operate aircraft as a commercial pilot. The course prepares student to take the Private Pilot Ground exam. Some of the topics covered will include principles

of flight, aerodynamics, aircraft controls, engine systems, basic weather and weather services for pilots, navigation, radio communication, and Federal Aviation Regulations.

Emphasis will be placed on diagnostics, repair, adjustment, and troubleshooting for the following systems: Cabin Atmosphere Control Systems, Hydraulic and Pneumatic Power Systems, Aircraft Fuel Systems, Fuel Metering Systems, Engine Fuel Systems, Aircraft Landing Gear Systems, Position and Warning Systems, Ice and Rain Control Systems, Fire Protection Systems, Engine Fire Protection Systems, Assembly and Rigging, Engine Instrument Systems.

➤ **Wildland Firefighting**

(Dual Enrollment with Reedley College, NR 5, NR 8, NR 42, and NR 110, 8.5 Units)

Grade Level: 12

Prerequisites: Student must be a senior with a cumulative GPA of 2.5

Students earn 15 school credits per semester

This course is a 2-hour block (1:21 – 3:06 p.m.) with 5 Saturday field days. This course provides an introduction to fire protection. Presents career opportunities in fire protection and related fields, philosophy and history of fire protection, fire loss analysis, organization and function of public and private fire protection services, fire departments as a part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, and basic fire chemistry and physics. This course also introduces students to the USDA Forest Service (USFS) and prepares them with basic firefighting and conservation entry-level skills. Classroom instruction, demonstration, and hands-on field application will be given in basic firefighting, standards for survival, engine and pump operations, backfiring methods and equipment use, chainsaw operations, map and compass use, air operations, basic hand tool sharpening and use, fire line construction, and forest conservation. Students who are 18 upon completion of the class (end of April) and have achieved the appropriate certifications may apply for the USFS Summer Intern program and work as firefighters from May through October.

➤ **Urban/Rural Fire Fighting** (Regional Program at Sanger High School and VROP provides transportation.)

(Dual Enrollment with Fresno City College, FIRET 1, 3 Units)

Grade level: 11-12

Prerequisites: Students must have junior status, a 2.5 minimum GPA.

Students earn 15 school credits per semester

This course is a 2-hour block (1:00 P.M.- 3:00 P.M.) with approximately 5 Saturday field days The first semester course is designed to prepare individuals for fighting fires and related tests. The course is California State Fire Marshal Fire Fighter 1 course which prepares students for state certification. Students will learn about fire protection organizations, use and handling firefighting equipment and apparatuses, fire protection and safety, fire behavior and extinguishment methods, rescue and ventilation operations, fire control, and salvage and overhaul of structures. The second semester course is designed to prepare individuals as medical first responders. The course is an introduction to the emergency medical services system and provides fundamentals for students to improve the quality of emergency care provided as the first person to an emergency scene until emergency medical services arrive. The Emergency Medical Responder (EMR) course is a combination class, which includes didactic lectures, practical skills lab, and mock scenarios.

At the completion of this course, the EMR student will be able to integrate: the knowledge and skills needed to handle cardiac arrest victims using the AED the knowledge acquired in Emergency Medical Services preparatory to be used daily the knowledge and skills needed to choose the correct airway device for initial and continued oxygen administration the knowledge and skills needed to perform patient assessment for medical and trauma patients

the knowledge and skills needed to manage patients experiencing medical emergencies the knowledge and skills needed to manage patients suffering traumatic injuries. Upon successful completion of the course, students will be issued an Emergency Medical Responder Card (EMR) and a Health Care Provider (CPR/AED) Card; both cards are good for two (2) years.

Indicates that class meets A – G standards for University of California

◆ Pending A- G approval

****Indicates that class has been accepted by NCAA.**

➤ Indicates dual enrollment class

~Pursuant to Education code 51228.1 this course does not contain specific academic content. The student and parent/guardian are required to submit Kingsburg High School waiver before student may participate in course offering.