



CVHS

VARIETY OF
COURSES IN A
SMALL SCHOOL
SETTING



TABLE OF CONTENTS

1. SCHOOL BACKGROUND
2. EXTRA-CURRICULAR
3. PARTNERSHIP WITH SHASTA COLLEGE
4. CAREER TECHNICAL EDUCATION
5. REGIONAL OCCUPATIONAL PROGRAM
6. UNDERSTANDING A-G
7. **A-** HISTORY/SOCIAL SCIENCE (2 YRS.)
8. **B-** ENGLISH (4 YRS.)
9. **C-** MATHEMATICS (3 -4 YRS.)
10. **D-** SCIENCE (3 YRS.)
11. **E-** FOREIGN LANGUAGE (2-3 YRS.)
12. **F-** VISUAL & PERFORMING ARTS (1 YR.)
13. **G-** COLLEGE PREP. ELECTIVES (1 YR.)
14. PHYSICAL EDUCATION

PRIDE
FEEL THE FALCON





GET TO KNOW US

Central Valley High School, founded in 1955, is a suburban/rural school located in Shasta Lake City, approximately eight miles north of Redding.

CVHS is comprised of 600-630 students for grades 9th through 12th. Students have a six-period day for 180 school days. Every Monday is a minimum day for teacher collaboration, we are a nationally recognized school for utilization of Professional Learning Communities.

Central Valley High School is made up of a dynamic, highly trained group of professionals. Numerous hours have been dedicated to professional development that has led to improved professional learning communities, improved support for the students, and an increase in student achievement.



LET'S GO FALCONS!!



EXTRA-CURRICULAR

ATHLETICS



FALL

- FOOTBALL
- VOLLEYBALL
- CHEERLEADING
- GIRLS' TENNIS
- CROSS-COUNTRY
- SWIMMING
- GIRLS' GOLF

WINTER

- CHEERLEADING
- BOYS' BASKETBALL
- GIRLS' BASKETBALL
- WRESTLING
- GIRLS' SOCCER
- BOYS' SOCCER.

SPRING

- BASEBALL
- SOFTBALL
- BOYS' GOLF
- TRACK & FIELD
- BOYS' TENNIS

CLUBS



KEY CLUB
EQUALITY

INTERACT
KINDNESS

WOMEN'S EMPOWERMENT
DUNGEONS & DRAGONS
ENVIRONMENTAL

BIBLE
CHESS

CROSS-CURRICULAR



ASSOCIATED STUDY BODY
YEARBOOK
FFA
CULINARY
ROBOTICS
DRAMA



CLASSES PARTNERED WITH SHASTA COLLEGE

ENGL C1000 (Junior Year) 3 College Units 10 High School Credits	HIST 17B (Junior Year) 3 College Units 10 High School Credits	AGNR 60/61 (Junior/Senior Year) 4 College Units 10 High School Credits
ENGL C1001 (Senior Year) 3 College Units 10 High School Credits	POLS C1000 (Senior Year) 3 College Units 10 High School Credits	BIOL 5/6 (Junior/Senior Year) 4 College Units 10 High School Credits
HIST 2 (Sophomore Year) 3 College Units 10 High School Credits	ECON 1A (Senior Year) 3 College Units 10 High School Credits	WELD 70 (Junior/ Senior Year) 3 College Units 10 High School Credits
HUM 4 (Senior Year) 3 College Units 10 High School Credits	ETHS 1 (Senior Year) 3 College Units 10 High School Credits	AGEH 23 (Junior or Senior Year) 3 College Units 10 High School Credits
MUS 10 (All Years w/ Approval) 3 College Units 10 High School Credits		MATH 73 (Senior Year) 3 College Units 10 High School Credits



While attending high school, a student can receive high school credit and college credit at the same time. All college classes are transferable to California state universities (CSUs or UCs).

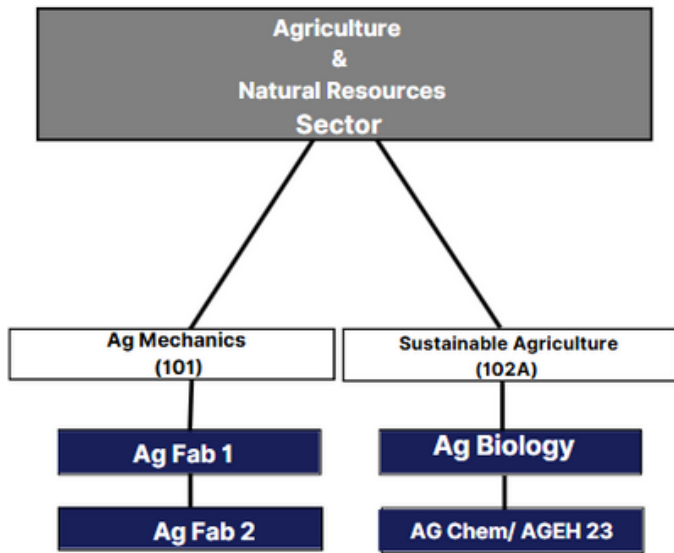
A jump start on a student's education for after high school and be more likely to complete educational goals. All classes are located on our high school campus during the school day.



Career Technical Education Pathways

A program that involves a multi-year sequence of classes that includes academic knowledge with technical and occupational knowledge to give students a pathway to education after high school and/or career options.

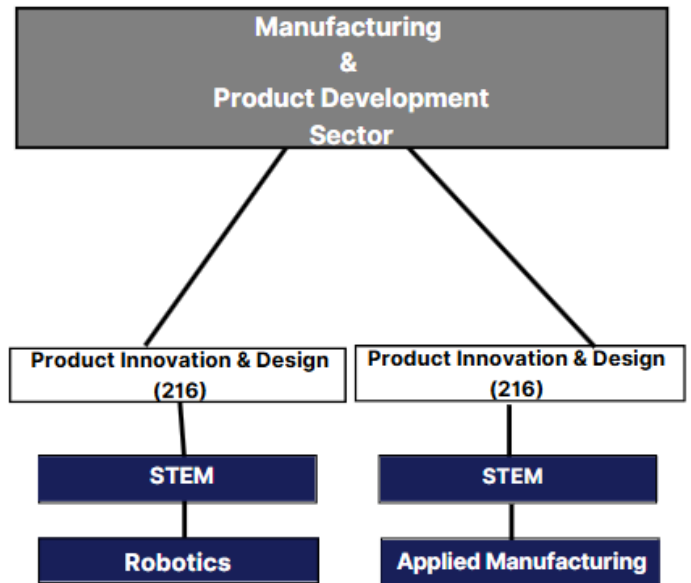
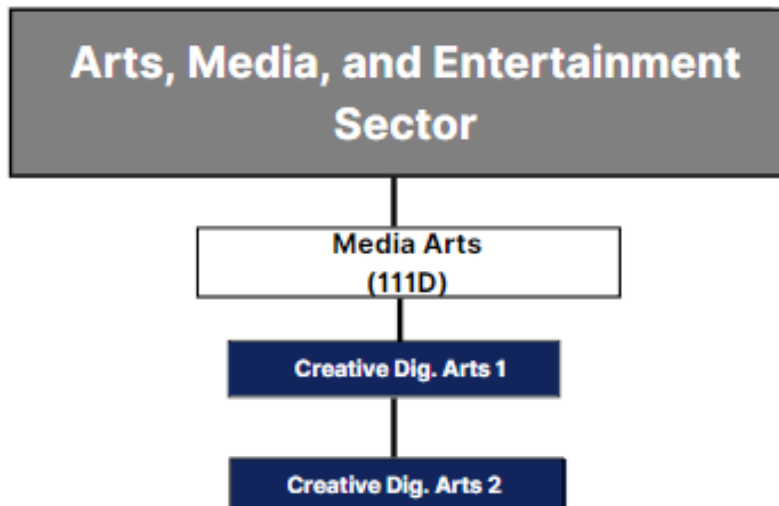
Must complete sequence in order to complete the pathway.



*Recommended for both pathways Ag Floral (F VAPA)



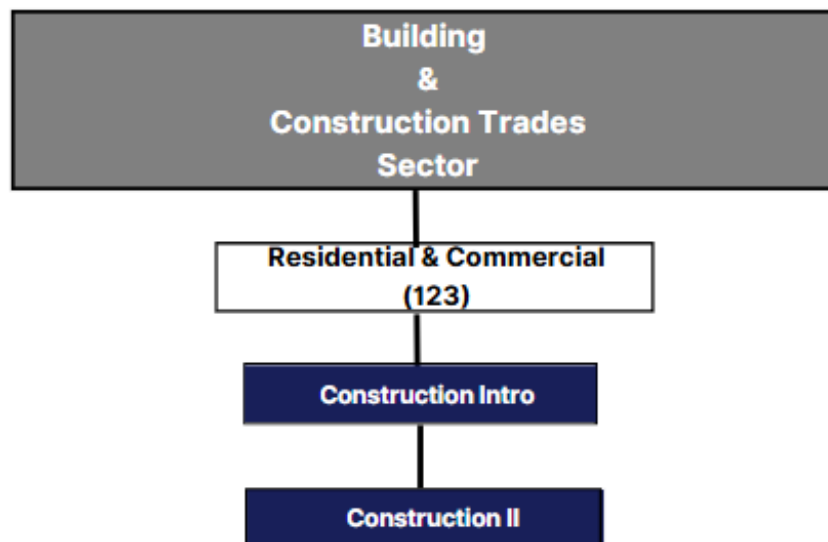
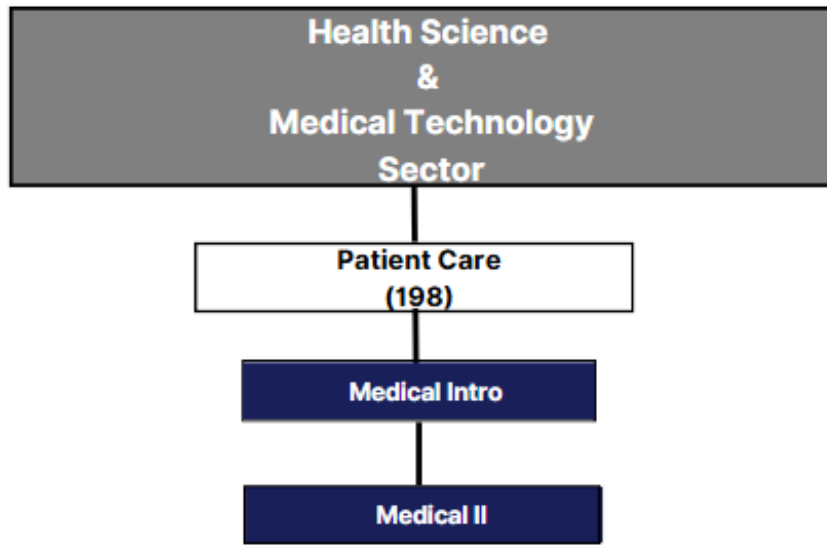
*With completion a food handler's certificate and resume



*Recommended for both pathways CAD (F VAPA)



Career Technical Education Pathways



REGIONAL OCCUPATIONAL PROGRAM

High school students take approximately 90 minutes from their regular high school classes in order to participate in CTE classes offered at the STROP Center on Eastside Road in Redding. School bus transportation is available. In addition to classroom learning, CTE students have opportunities for hands-on training at local industry sites such as Shasta Regional Medical Center and Redding Fire Department.

AUTOMOTIVE TECHNICIAN

ADMINISTRATION OF JUSTICE

CAREERS WITH CHILDREN

COMPUTER NETWORKING & REPAIR

COSMETOLOGY

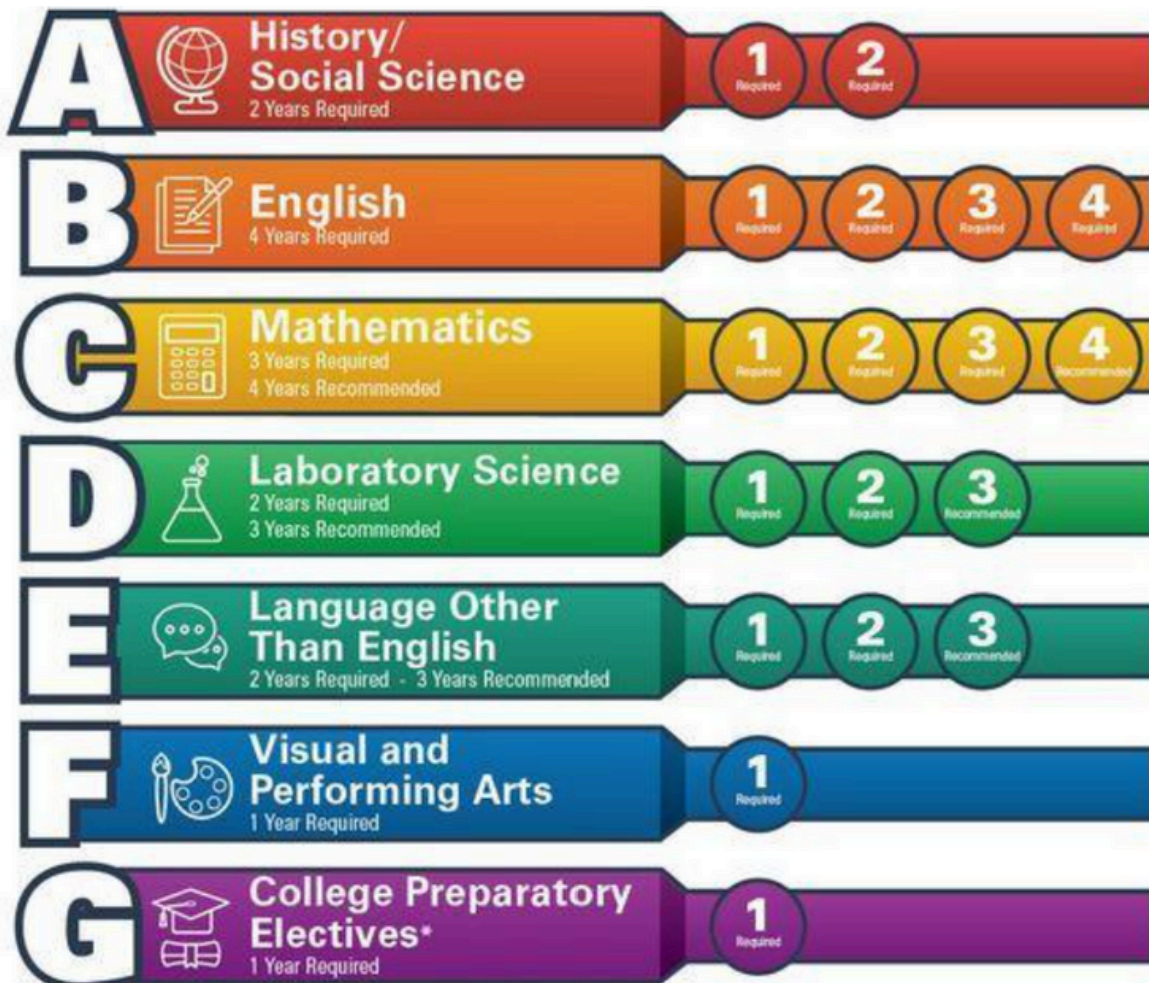
FIREFIGHTING

PATIENT CARE

PUBLIC SAFETY

RESTAURANT CAREERS

A-G: WHAT DOES THAT MEAN?



A-G requirements are the courses that students are required to take and pass with a C or higher, to be eligible for a 4 year University.

By graduating with A-G completed, students have multiple options after high school. The completion allows a student to be ready and meet entry requirements for college or trade school.

SOCIAL SCIENCE (A)

MODERN WORLD HISTORY- 10TH GRADE

Students will examine the major turning points in history beginning with the development of modern political thought to the present-day world.

***OPTION: ADVANCED PLACEMENT/ SHASTA COLLEGE HIST 2

US HISTORY- 11TH GRADE

Students will examine Reconstruction era to the end of the Cold War and into the modern era, 1865-early 2000's.

***OPTION ADVANCED: PLACEMENT/HISTORY 17B

AMERICAN GOVERNMENT- 12TH GRADE

Students will examine and demonstrate an understanding of foundational political theory, concepts, and applications, an understanding of foundational American political principles and the historical events and philosophical ideas that shaped the development and application of these principles, an understanding of the basic organization and function of United States government on national, state, and local levels and the role of federalism in addressing the distribution of power, an understanding of civil rights and civil liberties, the role of American citizens in the American political system, and distinctive expressions of American political culture.

***OPTION: SHASTA COLLEGE POLS 2 & ECON 1A

ENGLISH (B)

ENGLISH I- 9TH GRADE

Students will work to strengthen writing skills, reading comprehension and retention, and most importantly the ability to express themselves coherently and with clarity.

***HONORS AVAILABLE

***ENGLISH LAB AVAILABLE

ENGLISH II- 10TH GRADE

Students will prepare students for college or the workforce With an emphasis on world literature and global concerns.

***HONORS AVAILABLE

ENGLISH III- 11TH GRADE

Students will emphasis on nonfiction writing, the course will provide students with opportunities to develop their reading, writing, and speaking skills through a number of strategies and activities.

***OPTION: ADVANCED PLACEMENT/ SHASTA COLLEGE ENG 1A

ENGLISH IV- 12TH GRADE

Students will emphasis on nonfiction writing, the course will provide students with opportunities to develop their reading, writing, and speaking skills through a number of strategies and activities.

***OPTION: SHASTA COLLEGE ENG 1B OR ENGL 1C



MATHEMATICS (C)

INTEGRATED MATH- THREE INTEGRATED COURSES:
ALGEBRA, GEOMETRY AND ALGEBRA 2.

INTEGRATED I- 9TH GRADE

Algebra Basics, Evaluating Expressions, Function Notation, Domain and Range, Linear Equations, Parallel and Perpendicular Lines, Transformations, Systems of Equations, Triangle Congruency, Sequences, Scatter Plots, Measures of Central Tendency

***HONORS AVAILABLE

***MATH LAB AVAILABLE

INTEGRATED II- 10TH GRADE

Geometry Terms, Angle Pair Relationships, Geometric Proofs for Similar and Congruent Triangles, Quadrilaterals, Factoring, Quadratics, Polygons and Circles, Area of Geometric Shapes, Right Triangle Trigonometry, Volume and Ratios of Geometric Solids

***HONORS AVAILABLE

INTEGRATED III- 11TH GRADE

Investigations and Functions, Transformations of Parent Graphs, Solving and Inequalities, Inverses and Logarithms, Polynomials, Trigonometric Functions, Series and Sequences, Rational Expressions and Three Variable Systems, Analytic Trigonometry, Statistics and Probability

***HONORS AVAILABLE



MATHEMATICS (C)

AP CALCULUS- 11TH/12TH GRADE

Using derivatives to describe rates of change of one variable with respect to another or using definite integrals to describe the net change in one variable over an interval of another allows students to understand change in a variety of contexts. It is critical that students grasp the relationship between integration and differentiation. Considering the consequences of a limiting case allows us to model real-world behavior and to discover and understand important ideas, definitions, formulas, and theorems in calculus: for example, continuity, differentiation, and integration. Analyze the behaviors of functions by relating limits to differentiation and integration and relating each of these concepts to the others.

***ADVANCED PLACEMENT EXAM OPTION

FINANCIAL LITERACY- 11TH/12TH GRADE

The course will cover the stock market, business management, banking, credit, automobile ownership, employment, taxes, independent living, retirement and budgeting.

MATH 73 - 12TH GRADE

College-level algebra, measurement units and conversion, estimation, solid figures, geometry, trigonometry, basic statistics, and probability. This course will promote quantitative reasoning through the use of mathematical applications and modeling with an emphasis on CTE topics.

***Option: Shasta College MATH 73

SCIENCE PATHWAYS (D)

STEM (PHYSICAL)- ALL GRADES

Students dig deep into the engineering design and manufacturing processes by applying math, science, and engineering skills to design and manufacture hands on projects.

CHEMISTRY (PHYSICAL)- 10TH/ 11TH/12TH GRADES

Preparing students for further studies in chemistry in college. It is directed toward explaining the composition of matter. Emphasis is placed on chemical principles and their application, problem solving and the development of laboratory skills,

***HONORS AVAILABLE

PHYSICS (PHYSICAL)- 10TH/ 11TH/12TH GRADES

Physics seeks to describe and predict natural events by seeking the relationships between motion, force, energy and time. This course will discuss the basics in fields of physics such as kinematics, electricity, optics, waves, energy and nuclear processes.

***HONORS AVAILABLE

SCIENCE PATHWAYS (D)

EARTH SCIENCE (PHYSICAL)- ALL GRADES

Earth Science is designed to introduce principles of astronomy and Earth sciences, including the solar system, cosmology, plate tectonics, energy, biogeochemical cycles, the atmosphere, and California geology. The performance expectations allow students to explain more in-depth phenomena central not only to the earth and space sciences, but to life and physical sciences as well. Successful completion of one year of Earth Science meets the high school graduation requirement for physical sciences.

AG LANDSCAPING & (PHYSICAL)- 11TH/12TH GRADES

Introductory course on the physical, chemical, and biological properties of soil as it relates to agriculture and natural resources. Ecosystem relationship of soil use and management is emphasized. The effects of drainage, tillage, and irrigation on land use are discussed.

***SHASTA COLLEGE AGEH 23

SCIENCE PATHWAYS (D)

LIFE SCIENCE (LIFE)- ALL GRADES

Life science is designed to develop scientific knowledge and process skills in biological sciences. The standards-based curriculum explores the following topics: biochemistry, cell biology, genetics, evolution, ecology, physiology, and diversity. Emphasizing laboratory experiences and the integration of other branches of sciences while utilizing mathematical, analytical, data acquisition, and communication skills reinforce these concepts. Applications of technology are included as well as the consideration of human impact on biological systems.

CP BIOLOGY (LIFE)- ALL GRADES

Study of life and living organisms, and examines biology in the living earth system. The course encompasses traditional concepts in biology and encourages exploration of new discoveries in the field. The course units include ecosystem interactions and energy, history of Earth's atmosphere, evidence of evolution, the inheritance of traits, cell processes, and ecosystem stability. Students will develop and demonstrate their knowledge through their engagement in science and engineering practices during hands-on activities and labs.

SCIENCE PATHWAYS (D)

AG BIOLOGY (LIFE)- 10TH/11TH GRADES

Using agriculture as a vehicle, students will be introduced to a detailed study of biological interactions between the environment, plants and animals. This course includes cell structure and function, plants, vertebra, invertebrates, evolution, genetics, human biology, and ecology

AP ENVIRON. SCI. (LIFE)- 11TH/12TH GRADES

Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

***ADVANCED PLACEMENT/SHASTA COLLEGE AGNR 60/61

HUMAN BIOLOGY (LIFE)- 11TH/12TH GRADES

Introductory course in human anatomy and physiology presented with a medical emphasis. Selected topics on eleven organ systems are covered.

***SHASTA COLLEGE BIOL 5/6

AG CORE (INTEGRATED)- 9TH GRADE

The study of communication, the science of agriculture, plants, animals, and natural resources. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning.

FOREIGN LANGUAGE (E)

SPANISH I-

Students will develop, reinforce, and refine communicative competency in listening, speaking, reading, and writing skills. Cultural competency will also be developed and explored. They will learn new vocabulary, build familiarity with grammar, interpret written Spanish, communicate in Spanish in real life situations, and gain confidence speaking Spanish.

***ADDITIONAL OPTIONS: SPANISH II, III, & ADVANCED PLACEMENT

AMERICAN SIGN LANGUAGE I (ASL) -

Designed to provide beginning skills in the language used among the deaf people in the United States. Students will also be introduced to deaf culture. ASL is a non-auditory language which deaf people use to manifest their ideas and communicate their thoughts.

***ADDITIONAL OPTIONS: ASL II & III

VISUAL AND PERFORMING ARTS (F)

ART-

This course is to provide a balanced visual arts program, which guides students to achieve the standards in the visual arts. Introduction to art provides a foundation of visual arts knowledge and skills and their connections to other subjects.

***ADDITIONAL OPTIONS: Art II, III, IV, & ADVANCE PLACEMENT EXAM

MUSIC-

Develop the ability to hear, identify, and work conceptually with elements of music such as rhythm, melody, harmony, timbre, texture, and form. Develop an understanding of and the ability to read and realize musical notation.

OPTIONS: MUSIC ENSEMBLE, GUITAR, & PERCUSSION

DRAMA-

Students will: study basic principles of acting and stage design, study character analysis and costuming, explore the use of objectives, obstacles, choices, lighting, and sound, learn basic stage and rehearsal terms, learn about theatre etiquette, the audition and production process.

***ADDITIONAL OPTIONS: Drama II & III

VISUAL AND PERFORMING ARTS (F)

CAD-

Students will learn how to design and draw mechanical objects and floor plans using industry based techniques and methods; design and build models in both 2-D and 3-D; acquire spatial acuity and good design aesthetics, and understand the depth of knowledge necessary to pursue a post-secondary degree or career in the engineering/architectural fields. 3D projects will be printed using a 3D printer.

CREATIVE DIGITAL MEDIA-

Students will learn to use Adobe products like Photoshop, Illustrator, Lightroom, Premiere, and Animate. They will learn skills in video editing, illustration, graphic design, photography, and animation. It is a great class for students interested in social media and the skills are great for marketing and business minded kids as well.

***ADDITIONAL OPTION: MEDIA 2/ SHASTA COLLEGE CIS 73

***COUNTS FOR "G" ELECTIVE CREDIT

VISUAL AND PERFORMING ARTS (F)

FLORAL-

This course allows students to learn professional florist skills for employment in the floral field. Students will explore the floriculture industry on a more technical and advanced level including the proper care and handling of flowers, plants, and foliage; evaluate floral materials and arrangements; utilize floral tools, supplies and products to apply design principles to floral medium; construct arrangements for all occasions; display, price and market floral designs; and preserve floral materials as students run their own floral shop.

YEARBOOK-

In this course, students will gain skills in the following areas: page design, publishing techniques, copy writing, editing, photography, record keeping, time management, teamwork, marketing, and leadership skills. Students are tasked with producing a timeless, creative, and innovative publication which will record our school's community, memories and events.

ELECTIVES (G)

CULINARY-

This course Students will participate in the planning, marketing, costing, preparation, serving, and food storage as part of ongoing project based learning in the classroom and beyond. Career seeking and transferable skills are incorporated into the curriculum.

***ADDITIONAL OPTION: Culinary II

FABRICATION-

Using the Ag Fabrication Shop, Measurement, Project Planning, Plasma and Oxygen/Acetylene Cutting, Oxygen/Acetylene Torch Welding, Gas Metal Arc Welding, Shielded Metal Arc Welding, Careers in Agriculture Fabrication and Mechanics, and a Final Project.

***ADDITIONAL OPTION: FABRICATION II

ROBOTICS-

Course will cover conceptual and algebra-based physics, mechanical components, computer-aided design, and programming. Students will learn the historical components of robotics in industries such as medicine, manufacturing and engineering as they strive to build their own robot in order to compete in the annual FST Robotics competitions.

***ADDITIONAL OPTION: ADVANCED ROBOTICS

MANUFACTURING-

Principles of machining and metal cutting using modern machine tools, hand tools, and precision measuring tools. Basic concepts of mechanical and electrical engineering, designing and creating models using a CNC machine and CAD.

***ADDITIONAL OPTION: ADVANCED MANUFACTURING

ELECTIVES (G)

CONSTRUCTION-

With Construction Career Labs, students are given the opportunity to explore interests and aptitudes for a career in the construction industry.

- Video Content Features Industry Experts
- Best Practices & Career Exploration
- Tool Identification and Terminology
- Industry-standard Equipment
- NAF Approved
- University of California A-G Approved Course

MEDICAL-

Health Science Career Labs prepare middle school and high school students for careers related to medicine, nursing, and health science programs – from Biomedical Engineering to Veterinary Medicine.

- Flexible 10-Day Schedule
- Available on Any Device / Any Time
- Two-Person Teams
- Authentic Medical Equipment
- NAF Approved
- University of California A-G Approved Course

PHYSICAL EDUCATION

*2 YRS. REQUIRED WITH ANY COMBINATION

PE-

Develop overall knowledge and understanding of exercise activities, nutrition awareness, and the mental/physical science behind living a healthy lifestyle.

WEIGHT TRAINING-

The purpose of this course is to promote the development of muscular strength and endurance and to enjoy the benefits of regular physical activity. Students learn to identify the major muscle group, how to increase the performance of each through weight lifting and how to stabilize the body core. The discussion and practice of weight lifting techniques and principles guide students toward the eventual implementation of a personal fitness program. The primary class activity involves regular conditioning exercises supported by lecture and discussion.

