

Are you **College and Career Ready**?

CTEP classes at Scotts Valley High can help you get ready for your future!

The Career Technical Education Partnership at Scotts Valley High helps you to become **College and Career Ready** by offering practical, hands-on classes that build career skills now and for the future. CTEP is a countywide program and is open to all high school students.

CTEP On-Campus Classes at Scotts Valley High School 2018-2019

Criminal Justice 1: Contemporary Perspectives: Gives students practical knowledge and familiarity with the Criminal Justice System. The course of study includes extensive discussion of the causes of crime as well as government response including how laws are made and enforced. Students will learn police procedures, courtroom procedures, probation and parole, as well as, the prison system. Local and national current events are used for discussion of concepts covered in class. Meets UC/CSU "A-G" requirements for College Prep Elective (G) credit. Cabrillo Articulation--Eligible for CJ-1, (3 units) with a grade of "B or better in class and 80% on approved CJ-1 final exam, recommendation by instructor and credit by exam.

Exploring Computer Science: In this course students will explore the vast world of computer science. First, students will be introduced to programming with JavaScript and Python, and then exposed to the many applications of programming and problem solving, from Web and App development to Data Analysis and Cybersecurity. In the second semester students will apply the concepts learned during the first semester by working on a project, and that way learn in more depth about specific topics by hands on experience.

Gaming Systems and Software Development: This course will teach students how to build the Software and Systems necessary to create Games and Simulations. Students will learn Software and Systems Engineering fundamentals in order to create and launch multi user client-server based games. Students will also learn to use the tools necessary for 3d Computer Model Design and Animation. Furthermore student will learn about Simulation Modeling in order to integrate physics engines to their games and make them as realistic as possible. It is highly advised that students are familiar with programming before taking this class.

Graphic Design 1 & 2: Graphic Design is a course that explores the drawing techniques and tools used in computer art and graphics. Emphasis is placed upon the practical aspects of commercial art and how this art is used in publishing, design and illustration, photography and multimedia presentations. A systematic and structured approach is used to complete a wide range of projects. The historical, social and cultural analyses of art are explored. Articulation agreement in process with Cabrillo College Articulation Department. Meets UC/CSU "A-G" requirements for College Prep, Visual & Performing Arts. (F) credit. Note: Credit at a 4-year university may be limited - see your college counselor for more information.

Video Production 1 & 2: This course prepares students for entry-level work in video productions. The class includes pre-production planning, writing and script editing, on-camera acting, technical work, critical analysis, post-production editing of projects and their presentation to outside audiences. Meets UC/CSU "A-G" requirements College Prep for Visual & Performing Arts (F) credit. Cabrillo Articulation – Eligible for DM 34 (3 units) with a grade of "B" or better. A portfolio score of 80%, recommendation from instructor and credit by exam.

CTEP Off-Campus Classes 2018-2019

Off-campus classes must fit in student's high school schedule. Students must provide their own transportation.

Aquaculture 2 @ San Lorenzo Valley High: Learn about aquatic careers, aquaculture, water quality, monitoring, aquatic ecology, equipment, organism life cycles and culturing techniques, feeding, nutrition and business practices. Meets UC/CSU "A-G" requirements for College Prep Elective (G) credit.

Automotive Maintenance & Light Repair @ Santa Cruz High: This basic course of the automotive technology stresses general diagnosis, engine removal and reinstallation, cylinder head and valve train diagnosis and repair, engine block diagnosis and repair, lubrication and cooling system diagnosis and repair. If taken for 2 years awarded competency service certificate. Eligible for Monterey Peninsula College Auto 101 Engine Repair (4 units) credit by proficiency exam and recommendation from instructor. Hartnell College Credit

Contact Janice Manion, SVHS Career Technical Education Partnership Counselor for more information.

Scotts Valley High Counseling Office Hours: **Monday: 8:00a.m.-2p /Thursday: 8:00a-12n**

Phone: (831) 466-5768 or email jmanion@santacruzcoe.org; updated 01/18/2018

Class Times & Schedules are on the CTEP or Regional Occupation Website-Santa Cruz

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Bicycle Technology & Performance @ Santa Cruz High: Students experience a comprehensive bicycle educational program, where they learn the mechanical fundamentals of bicycle assembly and repair while fostering safe cycling habits, environmental awareness, and healthy living. In the class students are trained to work as mechanics in the cycling industry, while focusing on internship opportunities and the multitude of bicycle industry career options. Through in-class demonstrations, discussions and practice, students will develop the skills necessary to function as an entry-level bicycle mechanic.

Culinary Arts @ Center Street Food Lounge, Santa Cruz: This instructional program prepares students with food production, preparation and service skills for employment in institutional, commercial, independently owned food establishments, or other food and hospitality industries. Cabrillo Articulation - Eligible for CAHM 50 ABC (3 units) with Grade of "B" or better, instructor recommendation and credit by exam.

Fire Technology @ Natural Bridges High School and Green Constructive Center (North County): This course is an overview of fire technology and includes information on firefighting, hazardous materials, fire prevention and the organizations that provide these services. Various certifications will be offered including CPR, First Aid, and Incident Command. Cabrillo Articulation – Eligible for FT-1 (3 units) Fire Protection with a grade of "B" or better, instructor recommendation and credit by exam.

Health Careers @ Harbor High School: Students receive an overview of the medical field and skills needed to be successful. Students will explore potential career options in the healthcare field. Medical terminology will be emphasized. This class is a prerequisite for CTE Medical Technologies.

Information Technology @ Cruzio, Downtown Santa Cruz: Students are introduced and learn a variety of networking technologies, operating systems and communications network technologies operating systems and communications networks. Students learn the fundamentals of web design and the infrastructure that supports the World Wide Web. Students will learn Linux, Bash Shell, coding in the PHP-Hypertext Preprocessor programming language and SQL-Structured Query Language to use, manage and update online databases. Application process required in order to enroll.

Medical Technologies @ Harbor High School: This class provides an introduction to scientific concepts, theories and skill development in the healthcare setting for students planning on going to college or advanced training in the healthcare field. Meets UC/CSU "A-G" requirements for College Prep Elective (G) credit.

Organic Agriculture Production/Gardening @ Natural Bridges Green Center: Students will explore organic gardening and agriculture production techniques, including planning, when to plant, caring for plants, how and when to harvest and products made from garden produce. Cabrillo Articulation-Eligible for Hort 100A (3 units), with a grade of "B" or better, credit by exam.

Sports Medicine @ Harbor High School: Students will explore careers in Sports Medicine, Athletic Training, Physical Therapy and Healthcare Profession caring for physically active individuals. Students study basic anatomy, physiology and nutrition. Class meets 2-3 hours a week and in addition, 2-3 hours per week students work as athletic trainers at school. This course meets UC/CSU "A-G" requirements for College Laboratory Science (D)) credit. Cabrillo Articulation -- Eligible for KIN-10A (3 units) with Grade of "B" or (80%) or better, instructor recommendation, and 80% on the approved KIN-10A final exam.

Welding 1: Introduction to basic welding skills including (MIG) metal inert gas welding, (TIG) tungsten gas welding, oxy acetylene gas welding and cutting, arc/stick electrode welding. Metal fabrication and design. Hot and cold metal forming. Cabrillo Articulation--Eligible for W 150 (2 units) with grade of "B" or better, recommendation from instructor, credit by exam.

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