

**Health Careers** (Blended) (JS) CTE Center, Auburn/Oakmont HS  
In-depth, hands-on instruction in applied anatomy and physiology, disease processes, terminology, standards and ethics, patient care and practices, procedures, vital signs, and CPR for Health Care Providers. Internship opportunities offer cross-training in a wide variety of areas of the hospital and convalescent hospitals, emergency facilities, and outpatient medical settings.

**ICT Essentials: Cybersecurity** (JS) (A) Lincoln HS/Rocklin Annex  
Start a career pathway in Cybersecurity and Information Technology. Develop skills in computer hardware, operating systems, networking, and security concepts through hands-on experience. Prepare for industry recognized certifications, such as CompTIA's A+ and Linux Essentials, by solving intricate technical challenges commonly found in industry. Course delivery includes classroom and on the job training.

**Integrated Animal Science** (Blended) (JS) (A) (CC/A) (UC "d") CTE Center, Auburn

Experience the clinical setting of small and large animal health care, through the study of common diseases (pathology), veterinary and diagnostic laboratory procedures, anatomy and physiology, medical and animal terminology, handling and restraint techniques, and client relations and office procedures. Internship opportunities may include veterinary clinics, horse ranches, zoos and exotic animal facilities. Clinical experience at internships may count towards meeting the prerequisite for admission to Veterinary Technician programs and Schools of Veterinary Medicine.

**Law Enforcement Careers** (CC/A) Del Oro HS/Placer HS

Investigate the American criminal justice system and law enforcement agencies. Instruction includes the study of contemporary crime and overviews of the structure and operation of law enforcement systems. Field trips to local agencies and guest speakers explore roles of law enforcement personnel, courts, the juvenile justice system, and the correctional system. Leave prepared for law enforcement academies or a career in the justice system through interactive scenario training

**Medical Assisting, Clinical** (Blended) (CC/A) (A) CTE Center

Prepare for a career as a Clinical Medical Assistant in an office, clinic or health care center. Learn and demonstrate in-demand skills needed to progress to a clinical setting including, vital signs, preparing patients for examinations, collecting specimens, performing diagnostic tests, venipuncture, administration of medication including injections, and pharmacology and electrocardiograms. Additional instruction includes, ethics and liability, therapeutic communication skills, universal precautions, CPR and first aid for Health Care Providers, medical terminology, as well as anatomy and physiology.

**Medical Terminology** (Fall) (A) Maidu Fire Station, Auburn  
Begin preparation in health related careers with this introduction to medical language, which including analysis, definition, and pronunciation. Successful completers receive priority enrollment into EMT, Fire Science, Health, and Medical Classes.

**Sports Medicine** (CC/A) (UC "g") Del Oro HS/Placer HS

Hands-on instruction in the fundamentals and skills necessary for careers in the field of sport medicine. Instruction includes anatomy and physiology, injury prevention and assessment, treatment and care of athletic injuries, sports nutrition; training room and office management procedures; as well as standards and ethics.

**Sports Medicine, Advanced** (JS) Placer HS

Advanced instruction in athletic training procedures and techniques building on concepts learned in the Sports Medicine class, combining theoretical anatomy and physiology concepts through practical application. Students who have or are enrolled in Sports Medicine at Placer or Del Oro HS may enroll in this class.

**Video Production** (A) (CC/A) (UC "f") Lincoln HS

Learn to express and record original ideas while developing technical and artistic skills. Group and individual projects will teach shooting, capturing, and editing using current Adobe software, cameras, and various other sound and stage equipment for production. A DVD portfolio will allow the students to share their work with the world.

**Video Production, Advanced \*** (A) (UC "g") Lincoln HS

Advanced instruction in the history of filmmaking and television production, including the most recent technologies, explores the societal, economic and political impact of television, film and media in our world at various times through in-depth analyze and critique. Build on core vocabulary and terminology of television and film learned previously to create original writing compositions across various artistic genres. Experience the creative process, including filming, editing, and sound production by developing, managing and completing projects for the school and community.

**Key:**

"A" open to adults if space is available.

"CC/A" eligible for college credit and articulation.

"JS" class includes on-the-job training.

"\*" advanced class. Enrollment is subject to prerequisites or instructor approval.

(Blended) course materials and class work are done partly in person and partly online. Students in blended courses must have adequate online access to participate in the course.

This brochure is subject to change at any time.  
The most current information is available at CTEWORKS.com.

## Student Benefits:

- Earn High School Credits
- Receive a Certificate of Completion
- Earn Community College Credits\*
- Satisfy UC/CSU Admission Requirements \*
- Satisfy Graduation Requirements\*
- Gain Career Skills through Hands-On Experience

## Who May Enroll:

- High School Juniors and Seniors
- Sophomores may Request & Select On-campus Classes with School Counselor's Approval
- Adult Students in Select Classes

## How To Request:

- High School: Visit your Counselor
- Adults: Visit CTEWORKS.com after April 1st

For more information, visit our website at:  
[www.CTEWORKS.com](http://www.CTEWORKS.com)  
or call (530) 889-5949

\*Benefits do not apply to all classes. See website for course details. Subject to change without notice.

**AP Computer Science A** (Blended) (CC/A) (UC "g") *Roseville HS*  
Enter the exciting and lucrative world of programming and game development! Make a video game, a virtual pet, and a sound editor (you can hear yourself speak backwards). Explore careers in programming, including the booming world of wireless applications (iOS and Android apps). In preparation for the College Board's AP Computer Science exam, the course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. The course is meant to be the equivalent of a first-semester college-level course in computer science. Self-discipline is critical to success due to the significant online material and the rigorous academic level.

**Architecture, Construction, & Engr.** (JS) (A) *Granite Bay HS*  
Gain the educational background and practical experience necessary for successful employment in a variety of occupations in the construction field. Learn skills that are in-demand and essential for employment in drafting, carpentry, construction supply, sheet metal, heating and air conditioning, electrical, plumbing, and cabinet making. Course delivery includes classroom and on the job training.

**Automotive Services** *Foresthill HS/Placer HS/Woodcreek HS*  
Entry-level instruction focuses on engine performance, engine repair, automotive maintenance, electrical systems, transmissions and drivelines, brake and front end service, suspension, emissions and tool safety. Hands-on involvement in automotive services takes place in the high school auto shops.

**Automotive Studies, Advanced \*** *Foresthill HS*  
Advanced instruction in transportation, energy, and automotive technologies. Hands-on instruction includes on-board computer testing; engine overhaul and automotive machine technologies; transmission and front wheel drive systems; smog control testing procedures; diagnostics; and ASE training in brakes, engine performance and electrical systems.

**Automotive Technology** (JS) \* (A) *Placer HS/Woodcreek HS*  
This advanced class offers instruction in all A.S.E. areas including: introduction to on-board computers, smog control testing procedures, engine overhaul and automotive technologies. Internships may include: auto dealerships, repair or body shops, retail parts, machine shops, brake and front end shops, or specialty shops.

*"CTEWorks gave me a head start with my career choice"*

*... previous student*

**Baking and Pastry Careers** (CC/A) *Whitney HS*  
Learn skills needed to excel and advance within the food service industry. Prepare to meet the demands that employers want and need including culinary skills foundational to baking and patisserie including breads, cakes, specialty breads, hot and cold plated desserts, cake decorating, chocolates, and tarts. Completing the program will prepare you to take the ServSafe Foodhandlers exam

**Child Development and Education** (JS) (CC/A) *Cobblestone*  
Explore the stages of early child development including health and safety awareness, educational philosophies, and teaching styles and techniques. Develop engaging learning activities for young children while expanding skills in observation analysis. Internship sites may include preschools, child care centers, family child care homes, elementary classrooms, after-school programs or special education classes.

**Culinary Arts, Advanced** (JS) \* (A) *North Tahoe HS*  
Explore a career in the fast-paced food service industry and prepare for further education in a culinary academy or community college program with advanced hands-on training. Learn skills needed in a professional kitchen including sanitation, organization, preparation, planning and cooking. Training site placements include commercial kitchens, restaurants, or other appropriate facilities.

**Dental Careers** (Blended) (JS) (A) *CTE Center, Auburn*  
Experience careers in the dental field with a hand-on study of dental office practices. Learn about industry standards and ethics. Training in dental terminology, anatomy, physiology, disease process, and dental asepsis. Develop in-demand skills in sterilization, 4-6 handed dental assisting, patient care, and front-office techniques. Internships may be located in dental offices/clinics or dental labs.

**Development Psychology of Children** (JS) (UC "g") *Cobblestone*  
Explore the developmental stages of children from conception through adolescence, including the principle theories of development and their application. Projects integrate behavioral psychology to learn skills that help students prepare for care giving, future parenting and occupations involving child development and child care. Internship sites may include preschools, child care centers, family child care homes, elementary classrooms, after-school programs or special education classes.

### *What Students Are Saying ...*

*"CTEWORKS allowed me to take a class on the subject I considered pursuing in college to find out if it really interested me"*

**EMT Preparedness** (Blended) (Spring) (A) *Maidu Fire Station, Auburn*  
Introduction to critical thinking skills necessary to deliver Emergency Medical Care. Instruction includes scene safety, blood borne pathogens, communicable diseases, signs and symptoms, and pathophysiology of emergencies and traumas. Develop skills in patient assessment intervention and stabilization, and proper use of emergency medical equipment through practical hands-on simulations. Successful completers receive priority enrollment into Fire Science, Health, and Medical Classes.

**Engineering for Manufacturing** (CC/A) (UC "g") *Rocklin HS*  
Explore in-demand careers in precision manufacturing and engineering. Hands-on training includes machine safety, manual and computer controlled (CNC) machine operation, programming (including MasterCAM), tooling, gauging, and inspection. Prepare for college or apprenticeships programs in welding, machining, tool and die-making, drafting, mechatronics, engineering, and applied physics.

**Exploring Computer Science** (UC "g") *Lincoln HS*  
Expand your technology skill set by learning how to design websites, build computer games, construct and program robots, and much more. Discover the creative nature of computing, with hands-on projects using technology as a problem-solving tool and exploring the impact of computer science on society.

**Fire Science Careers** (JS) (CC/A) *Maidu Fire Station, Auburn*  
Train for the physically and mentally demanding career of a firefighter, with instruction in fire behavior and extinguishment theory, wild land fire operations, fire protection and safety, and first responder operations. Learn and practice skills used by firefighters such as emergency medical aide, CPR and first aid, and use and maintenance of equipment (hoses and appliances, ground ladders, ropes). Internships will be in local fire stations or at Cal Fire.

**Game Development** (Blended) (A) *CTE Center, Auburn*  
Explore video game development while making games that work on the Xbox or PC using Microsoft XNA framework and C# programming languages. Discover the growing world of game development leading to exciting careers in Programming, Game Design, and Application Development.

**Graphic Art and Animation** (A) (CC/A) (UC "F") *Lincoln HS*  
Turn your artistic eye into a career in Graphic Communications and Animation. Develop a digital portfolio of graphics, games, and animations, using the latest industry software from Adobe, including Photoshop, Illustrator, Premiere Pro and Flash. Learn about printing, publishing, packaging, imaging, graphics, websites, photography, printable electronics, technical and artistic elements involved in 2D and 3D animation, as well as game design.