

CTE DISTANCE LEARNING

Weekly Publication Supporting Career Technical Education

MAY 21, 2020

CAREER READINESS ACTIVITY

[She Heroes](#) seeks to empower girls to dream big by providing stories of exceptional, successful women role models across all fields in videos with discussion guides.

RESOURCE OF THE WEEK

SkillsUSA is now providing free access to the [SkillsUSA Career Essentials Suite](#). Over 48,000 bundles will be provided by SkillsUSA thanks to industry partners who are supporting online learning. If you are not currently a member of SkillsUSA, contact clay.mitchell@skillsusaca.org for access.

WORK-BASED LEARNING SPOTLIGHT

Athena Racing is offering a free online summer camp for middle and high school girls with a passion for cars, racing, engineering, or careers in STEM. The camp will focus on the design and construction of a drifting trike using scrap metal and parts and will feature presentations and Q&A with famous fabricators and engineers. Encourage students to register by June 30, Visit athenaracing.org/camp/ for more details.

MORE OPPORTUNITIES

ACTE Online Learning Network presents [Career Prepped](#)

House Of Blues Music Forward Foundation presents live [Career and Artist Development Workshops](#) with industry professionals daily at 2:00pm PT

Next Gen Personal Finance presents and ongoing [Professional Development Series](#)

RECOMMENDED WEBSITES

[Advance CTE](#)

[Association of Career and Technical Education \(ACTE\)](#)

[CTE Online](#)

[California Career Zone/Career Explorer by State](#)

[California Career Resource Network \(CalCRN\)](#)

[California Dept. of Education CTE Resources for Distance Learning](#)

[Instructional Resources - San Diego County Office of Education](#)

[OTAN Outreach and Technical Assistance Network](#)

Recommend a lesson plan, work based learning opportunity or resource for the CTE Distance Learning newsletter using this [submission form](#).

Subscribe to this newsletter by sending a blank email to: subscribe-cctd-updates@mlist.cde.ca.gov

OPPORTUNITIES NEXT WEEK

TUESDAY MAY 26

[How to Teach Drones Remotely](#)
Next Wave STEM, 2pm CT

WEDNESDAY MAY 27

[How Students Experience High Quality PBL Online](#) PBLworks,
12pm PT

THURSDAY MAY 28

[Machine Learning for Medical Imaging Analysis Demystified](#) IEEE
Computer Society, 10:30 ET

[The Creative Process of STEAM Using CAD \(Computer-aided Design\)](#) Next Wave STEM, 2pm CT

[CTE Forward: What Learners Most Need during the COVID-19 Pandemic](#) Advance CTE, 3pm ET

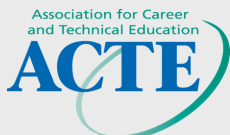
[Sustaining the Focus on High Quality Linked Learning](#), Linked Learning Alliance, 1pm PT

[How to Teach Skilled Trades Online](#) Weekly Webinar, 3:30pm PT

FRIDAY MAY 29

[#COVID19PBL Nationwide Exhibition of Learning](#) 1 pm PT

Presented as a collaboration between local, state and national organizations:



California Department of
EDUCATION



san diego county office of
EDUCATION
FUTURE WITHOUT BOUNDARIES™



CTE
Online

CALIFORNIA

These organizations do not endorse any vendor, product or service listed in this publication.

CTE DISTANCE LEARNING

Lesson plan of the week by industry sector* May 25-29

These lessons are appropriate or easily adaptable for distance learning

AGRICULTURE AND NATURAL RESOURCES

[Farming the Aquaponics Way](#)

Discover aquaponics: a chemical-free, innovative farming method that uses a fraction of the water and involves a symbiotic relationship between plants and animals.

ARTS MEDIA AND ENTERTAINMENT

[The History of Game Development](#)

Explore video game genres and iconic designers, while learning about the history of game development and the video game industry.

BUILDING AND CONSTRUCTION TRADES

[Blueprints](#)

Learn to read a basic set of residential blueprints and recognize the importance of a quality set of plans in this easily adaptable CTE Online lesson.

BUSINESS AND FINANCE

[Entrepreneur's Lesson of Letters](#)

Practice writing effective letters for a variety of situations and audiences in this easily adaptable CTE Online lesson.

EDUCATION, CHILD DEVELOPMENT, AND FAMILY SERVICES

[Child Safety Resource Guide](#)

Create a child safety infographic, poster, or manual for a classroom or child care center using one or more resources from the Child Safety Resource Guide.

ENERGY, ENVIRONMENT AND UTILITIES

[Resourcefulness](#)

Explore different energy and environmental issues using images, video, and academic commentary that introduce key concepts and inspire further research.

ENGINEERING AND ARCHITECTURE

[Architectural History Timeline](#)

Outline major historical architectural developments and events over the history of humankind.

FASHION AND INTERIOR DESIGN

[Dream House Presentation](#)

Host a segment of MTV Cribs for Teens or FCS Cribs (you choose). Create a multimedia presentation detailing a dream home design, room by room.

HEALTH SCIENCE AND MEDICAL TECHNOLOGY

[Diabetes- A National Epidemic? PBL](#)

Identify and examine the complications of different types of diabetes to the human body, and how diabetes patients learn to manage and cope with this dangerous disease in the easily adaptable CTE Online PBL module.

HOSPITALITY, TOURISM AND RECREATION

[Design a Food Truck PBL](#)

Explore the history of food trucks, design a menu, and create a model in this easily adaptable CTE Online lesson.

INFORMATION AND COMMUNICATION TECHNOLOGIES

[Identity, Authentication, and Authorization](#)

Explain concepts of identity, authentication, and authorization and describe ways in which attackers gain unauthorized access to systems and data.

MANUFACTURING AND PRODUCT DEVELOPMENT

[Explore Manufacturing](#)

Investigate applications of 3D printing, robotics, and computers to discover how these technologies help manufacturers solve complex problems that improve processes, products, and people's lives in the self paced student module.

MARKETING SALES AND SERVICES

[Remove Labels: Ramadan and Coca Cola](#)

Examine the power of tag-lines, labels and identity through critical analysis of advertising as a tool to promote social consciousness.

PUBLIC SERVICES

[Airport Scanners and the Fourth Amendment](#)

Learn about TSA full-body scanners and "enhanced pat-down" airport procedures in relation to the Fourth Amendment or other constitutional protections.

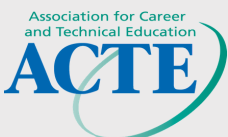
TRANSPORTATION

[Automotive Choices and Alternative Fuels](#)

Investigate alternative fuels and environmental impact in this comprehensive OER lesson.

*This publication is organized around California's 15 CTE Industry Sectors

Presented as a collaboration between local, state and national organizations:



California Department of
EDUCATION



san diego county office of
EDUCATION
FUTURE WITHOUT BOUNDARIES™



CTE
Online

CALIFORNIA

These organizations do not endorse any vendor, product or service listed in this publication.