

CTE DISTANCE LEARNING

Weekly Publication Supporting Career Technical Education

APRIL 23, 2020

WEEKLY UPDATE

Distance learning in Career Technical Education (CTE) offers unique challenges and opportunities for our courses and our students. We aim to support CTE teachers by highlighting meaningful, industry-connected lesson plans, webinars, and resources for all 15 industry sectors through this weekly publication. We encourage you to use our [feedback form](#) to share what is working for you. Submit a highlight and you might be featured in a coming week!

CAREER READY LESSON OF THE WEEK

CTEonline is a repository of free CTE lesson plans and projects. All you need is a free teacher account to access amazing resources including this [Career Exploration Lesson Plan](#) on [CTEOnline.org](#).

RESOURCE OF THE WEEK

The [Distance Learning Adaptation Template](#) is an Open Access document you can use to adapt your lessons and organize a week of learning for your students!

WORK-BASED LEARNING SPOTLIGHT

Strategic Energy Innovations (SEI) is offering their Green Careers Webinar Series with 30 minute Zoom presentations by sustainability professionals.

- Wednesday 4/29: Youth Involvement in Transportation Planning
- Tuesday 5/5: The Built Environment & The Sustainability Challenge
- Thursday 5/7: Peppermint, Plastics, People: The Journey of Soap in a Sustainable Businesses

TOP RECOMMENDED RESOURCES

[CTE Online](#)
[Career Explorer/Career Zone by State](#)
[California Career Resource Network \(CalCRN\) Resources](#)
[California Dept. of Education Covid 19 Distance Learning](#)
[Association of Career and Technical Education \(ACTE\) Website](#)
[Instructional Resources - San Diego County Office of Education](#)

OPPORTUNITIES NEXT WEEK

TUESDAY APRIL 28

[Applied Digital Skills with Google](#)
(OTAN, 9am PST)

[Remote Learning Toolkit: Leading and Learning in a Virtual World](#)
(edWeb, 4pm EDT)

[Artist Development Workshop: Intro to Brand Strategy](#) (HOB Music Forward Foundation, 2pm PST)

WEDNESDAY APRIL 29

[Using Google Meet and Zoom to Gamify Remote Classes](#) (OTAN, 1pm PST)

[How Can High Quality PBL Create Equity in the Classroom?](#)
(PBL Works, 12PST)

THURSDAY APRIL 30

[Lesson Planning for Distance Learning in CTE](#) (California Dept of Education, 11am PST)

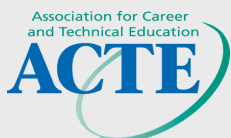
[3D Design and Printing with Purpose](#) (NextWaveSTEM, 2pm CT)

FRIDAY MAY 1

[Career Development Workshop: Live Production](#) (HOB Music Forward Foundation, 2pm PST)

[Click here to submit a highlight, opportunity or lesson plan, or to contact us.](#)

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* April 27 - May 1

These lessons are appropriate or easily adaptable for distance learning

AGRICULTURE AND NATURAL RESOURCES

[SAE Choice Board Activities](#)

Explore and analyze SAE projects using an interactive choice board to develop their awareness of the agriculture industry and careers.

ARTS MEDIA AND ENTERTAINMENT

[The Evolution of Sound Recording](#)

Explore the development of recording technology in this interactive lesson

BUILDING AND CONSTRUCTION TRADES

[Voltage, Current & Resistance in Electricity](#)

Demonstrate how voltage, currents and resistance are related to one another by creating a circuit using standard components. (Flash Required)

BUSINESS AND FINANCE

[Business Plans Made Easy](#)

Create a basic business plan in this PBL lesson.
Free CTEonline Teacher Account Required

EDUCATION, CHILD DEVELOPMENT AND FAMILY SERVICES

[Turn Down the Dial on Cyberbullying](#)

Learn how cyberbullying can escalate quickly online because people are often anonymous.

ENERGY, ENVIRONMENT AND UTILITIES

[Alternative Energy](#)

Analyze different energy resources and use data to design a renewable energy system to produce the most power.

ENGINEERING AND ARCHITECTURE

[Autodesk Design Thinking Challenge](#)

Practice the design thinking process around this question: How might we reduce reliance on single-use plastic in our community?

FASHION AND INTERIOR DESIGN

[Fashion Styles Project](#)

Research the difference between fashion styles and trends, analyze a historical trend, and create a unique collection.

HEALTH SCIENCE AND MEDICAL TECHNOLOGY

[Virtually Viral](#)

Study how computational models are used to study patterns in large datasets of infectious diseases

HOSPITALITY, TOURISM AND RECREATION

[Food and Culture Fact Sheet](#)

Research a local cultural group and gather information about their history, health beliefs and food practices

INFORMATION AND COMMUNICATION TECHNOLOGIES

[Nova Cybersecurity](#)

Explore how to keep their digital lives safe, spot cyber scams, and learn the basics of coding from NOVA Labs.

MANUFACTURING AND PRODUCT DEVELOPMENT

[Desktop Factory](#)

Learn about 3D printing and the "Maker Bot" by watching a quick video and create a 3D design using Google Sketchup

MARKETING SALES AND SERVICES

[Tell a Story with Tone & Color](#)

Manipulate one photograph in three ways to convey moods for advertising purposes, write copy to follow each picture, and publish work

PUBLIC SERVICES

[Communication in Law Enforcement](#)

Learn communication skills critical for success in law enforcement careers.
Free account set-up required with access code FreeLRP2020

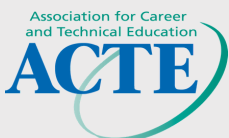
TRANSPORTATION

[Gas or Electric Vehicle?](#)

Explore environmental impact, safety and economics of gas vs electric cars
Free CTEonline Teacher Account Required

[*this publication is organized around California's 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.