

CTE DISTANCE LEARNING

Weekly Publication Supporting Career Technical Education

MAY 28, 2020

CAREER READINESS ACTIVITY

[Roadtrip Nation](#) is providing Educational Resources for Teachers and Parents, including an interview archive, documentaries, and PBS LearningMedia

RESOURCE OF THE WEEK

CTE Online has created the [Distance Learning Activity "Conversion" Toolkit](#). This resource can be accessed on Google Drive and provides some ideas and lesson planning suggestions for teachers who want to utilize a classroom-based CTE Online lesson for distance learning implementation. The toolkit is also helpful for general online and blended lesson planning and aligns with the [Distance Learning Adaptation Template](#).

WORK-BASED LEARNING SPOTLIGHT

Give students insight into industry with [virtual guest speakers and panels](#) from industry professionals in health science and medical technology, building and construction trades and public services produced by the San Diego COE's WBL team!

CTE COURSE ADAPTATION COLLABORATION MEETINGS: JULY 27 - AUGUST 6

Work collaboratively with others who teach in the same pathway to curate blended and distance learning resources and lesson plans to adapt your fall course. [Register now!](#)

ACTE SURVEY - SEEKING YOUR INPUT!

[Please complete this short survey](#) about your needs, concerns and ideas for how CTE can adapt to a future of continued distance, blended or social distancing-adapted learning.

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 JUNE 2

[How to Teach Drones Remotely](#)

Next Wave STEM 2pm Central

[Careers in Clean Energy](#) SEI

Energize Schools, 11am PT

[Ensuring Equity in a Remote](#)

[Learning World](#). ACTE, 2pm ET

WEDNESDAY JUNE 3

[STEM Challenges in AR that](#)

[Motivate Students](#)

3D Bear, 2pm ET

THURSDAY JUNE 4

[The Creative Process of STEAM](#)

[Using CAD](#)

Next Wave STEM, 2pm CT

[Engaging Students Online -](#)

[Keeping Students Motivated](#)

Teaching Entrepreneurship.Org

Virtual Conference, 12pm ET

[ASCAP Experience:Home Edition](#)

12pm PT

ON DEMAND

[7 Tech Tools for Supporting](#)

[Online PBL](#) PBL Works

[NCLA Webinar Series](#)

REGISTER NOW

[ePortfolio: A Powerful Tool for](#)

[AE Students and Teachers!](#)

June 12, OTAN

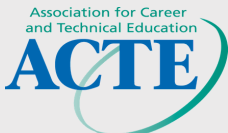
[Energize Schools Free Virtual](#)

[Teacher Trainings](#) July 9-30

[CTE Inspired - A Virtual](#)

[Conference](#) Aug 4-5, iCEV

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



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CTE DISTANCE LEARNING

Lesson plan of the week by industry sector* June 1-June 5

These lessons are appropriate or easily adaptable for distance learning

AGRICULTURE AND NATURAL RESOURCES

[Sustainability in Agriculture](#)

Learn about the importance of sustainability throughout the Agriculture, Food and Natural Resources Value Chain.

ARTS MEDIA AND ENTERTAINMENT

[What is Sampling](#)

Explore what "sampling" is as both a musical and technological practice and consider what sampling offers musicians and producers as a creative technique.

BUILDING AND CONSTRUCTION TRADES

[How to Make a Wood Slab Desk](#)

Engage with a series of tutorials and video lessons on the use of hand tools for wood working for the purpose of constructing furniture.

BUSINESS AND FINANCE

[Personal Business Plan](#)

Think of yourself as a company, and apply entrepreneurship methodologies to figure out how they offer value to their world. (Access through Google Drive)

EDUCATION, CHILD DEVELOPMENT, AND FAMILY SERVICES

[The Neuroscience of Imagination](#)

Learn how the human brain produces images and how those images are processed and translated in this TEDEd developmental psychology interactive lesson.

ENERGY, ENVIRONMENT AND UTILITIES

[Home and Classroom Energy Use](#)

Learn about energy consumption with heating and cooling loads, and the various passive and active systems that allow a building to operate and function in this adapted CTE Online Lesson.

ENGINEERING AND ARCHITECTURE

[Challenge: Robots!](#)

Learn about the career field of robotics in the browser-based National Geographic game that challenges students to take on the role of an engineer at RoboWorks, a robotics factory.

FASHION AND INTERIOR DESIGN

[Build Your Own Apparel Brand PBL](#)

Understand and explain the process of designing a clothing collection from concept to product in this easily adaptable CTE Online project.

HEALTH SCIENCE AND MEDICAL TECHNOLOGY

[Dosage Calculation](#)

Learn how to use the D/H x Q formula to calculate medication dosages in this easily adaptable CTE Online lesson.

HOSPITALITY, TOURISM AND RECREATION

[Sports and Entertainment](#)

[Management PBL](#)

Create promotional plans for a sports and entertainment business, learn about careers in the industry in this easily adaptable CTE Online project.

INFORMATION AND COMMUNICATION TECHNOLOGIES

[Steganography](#)

Investigate how Steganography can hide information inside of a file, message, photograph, or video, decode a secret message in a photograph, and explore how secret codes are used in government surveillance.

MANUFACTURING AND PRODUCT DEVELOPMENT

[Welding Fundamentals](#)

Learn and review welding terminology and concepts with flashcards and interactive worksheets that can be used with or without the associated textbook.

MARKETING SALES AND SERVICES

[Restaurant Theme Project](#)

Have students design and create a marketing plan to promote a themed restaurant that caters to a target audience (Page 7).

PUBLIC SERVICES

[Code of Ethics](#)

Analyze ethical scenarios and identify shared leadership models and decision-making strategies in Module 4 of this Careers in Criminal Justice curriculum (Access through Google Drive).

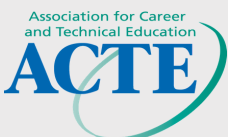
TRANSPORTATION

[Service Information Challenge](#)

Complete the diagnostic exercise and related activities using the demo vehicle that is available at Identifix.

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

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