CTE DISTANCE LEARNING
Weekly Publication Supporting Career Technical Education

JUNE 4, 2020

WEEKLY UPDATE

This is the last publication of the CTE DL Newsletter for the 2019-2020 school year! Based on public feedback and interest in this newsletter, we are excited to announce that we will continue to produce a monthly edition beginning in mid July. In the meantime, CTE Online will be migrating to a new platform and will be inaccessible from June 12-22. Log in later this summer to see the exciting new features!

CAREER READINESS ACTIVITY

Sign up for a free CareerZone educator account for access to PD modules that will help you use the site with your students, whether at school or at home.

RESOURCE OF THE WEEK

EVERFI's focus is to provide critical financial literacy, career readiness and SEL resources to students and learners across the world. With help from sponsors, they are able to give direct access for K-12 parents and teachers to their library of 20+ digital courses at no cost to schools and districts.

WORK BASED LEARNING SPOTLIGHT - ILLUMINA

Illumina has put together resources for exploring genomics at every age. Take a look at the career videos, adventures in genomics videos and their newest series, Genomics 101 at Home! STEM Education resources from Illumina

SUMMER INSTITUTE ON EDUCATION, EQUITY AND JUSTICE, JUNE 22-24

Uplifting Women and Girls of Color Through Antiracist Pedagogy, Practice, and Policies will provide professional development opportunities for community members, particularly educators, who want to learn promising practices that lead to equitable educational outcomes for underserved students, families, and communities. Register for Free.

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

OPPORTUNITIES NEXT WEEK

TUESDAY JUNE 9

Making Drones Real: Interactions with Physical Objects Next Wave STEM 2pm CT

Building Online Strategies for Today AND Tomorrow OTAN, 1pm PT

WEDNESDAY JUNE 10

GitHub Classroom Setup
GitHub, 9:30am ET

THURSDAY JUNE 11

Let's Get Gritty OTAN 11am PT

Engaging Students Online - Successful Group Work & Creating Personal Connections TeachingEntrepreneurship.Org Virtual Conference, 12pm ET - Thursdays

Career Exploration and Industry Engagement in a Remote World Advance CTE, 2pm ET

Technology for Good: 3D Printing for PPE Next Wave STEM, 2pm CT

ON DEMAND

HOSA presents Mental Resiliency in Challenging Times Webinar Series June 1-June 22

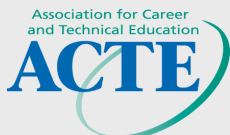CTE Teach Podcast: CTE In the Video Game Industry

THIS SUMMER

High-Quality CTE: Planning for a COVID-19-Impacted School Year Tu/Thurs in June & July from ACTE

Career Technical Education & Talent Pipeline Management: Strategies for Connecting Classrooms to Careers Advance CTE June 18 3:30 ET

Energize Schools Free Virtual Teacher Trainings July 9-30

CTE Inspired - A Virtual Conference Aug 4-5, iCEV

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

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

Association for Career and Technical Education
ACTE

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* June 8 - 12
These lessons are appropriate or easily adaptable for distance learning

AGRICULTURE AND NATURAL RESOURCES

SAE Programs

Create a long-term plan for the development and growth of a SAE program in this easily adaptable CTE Online Lesson.

ARTS MEDIA AND ENTERTAINMENT

#BlackLivesMatter: Music in a Movement

Explore how Kendrick Lamar's "Alright" and Beyoncé's "Formation" celebrates Black culture, while also speaking out against racism in America. Draw connections between the songs and the goals of the Black Lives Matter organization.

BUILDING AND CONSTRUCTION TRADES

Electric Utility Poles

Learn about the power distribution industry through pictures, narration and geometry involved in setting utility poles.

BUSINESS AND FINANCE

Innovation and Social Entrepreneurship

Learn about social entrepreneurship and devise a plan based on how to use technology to solve a problem in a community.

EDUCATION, CHILD DEVELOPMENT, AND FAMILY SERVICES

The Health Effects of Screentime

Identify research trends related to the health impact of screen time. Reflect on the nature of personal screen time and identify specific steps to be taken and potential challenges to making screen time more healthy.

ENERGY, ENVIRONMENT AND UTILITIES

Residential Water Conservation

Perform a water audit of your residence, collect water use data, compare household water bills provided by the city, create and analyze water use data in this easily adaptable CTE Online lesson.

ENGINEERING AND ARCHITECTURE

From Mach-20 glider to Hummingbird Drone

Listen to Regina Dugan, former director of DARPA, the Defense Advanced Research Projects Agency describe the realization of extraordinary engineering projects in this TEDEd lesson.

FASHION AND INTERIOR DESIGN

Accessibility in the Home

Reflect upon accessibility by exploring accommodations and universal design within the home. Students will take these pieces and create a document tying it all together in this easily adaptable CTE Online lesson.

HEALTH SCIENCE AND MEDICAL TECHNOLOGY

Getting Organized

Learn about types of microbes, scientific classification, how scientists organize living organisms, and the organization of the human body.

HOSPITALITY, TOURISM AND RECREATION

Bobby Flay's Road to Success

Learn about Bobby Flay and his path to success in this easily adaptable CTE Online Lesson.

INFORMATION AND COMMUNICATION TECHNOLOGIES

Introduction to Computer Vision

Learn how to use computer vision in your apps. Learn about image classification, object detection, object tracking in videos, creating custom models, using your model, and example use cases.

MANUFACTURING AND PRODUCT DEVELOPMENT

Podcast Choice Board

Explore the American Welding Society's menu of podcasts and create a podcast of your own based on a topic covered during the school year.

MARKETING SALES AND SERVICES

DECA Talks and Discussion Guides

Listen to conversations with DECA industry partners about important aspects of leadership and respond to related questions.

PUBLIC SERVICES

FEMA CERT Training

Engage with basic training modules that prepare students to become a member of a Community Emergency Response Team.

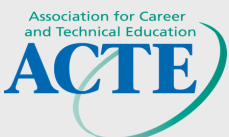## TRANSPORTATION

Basics of Electricity and Vehicle Lighting

Learn about the basic theory of electricity, choosing the right equipment and installation of vehicle lighting.

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