

Career and Technical Education Instructional Support for Students

This document is a list of online Career and Technical Education (CTE) related activities for educators and for students to use at home.

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CTE General Resources

Advance CTE: <https://careertech.org/covid19>

White House OSTP Leads Effort to Increase Access to Online Education Resources

New resource for educators, administrators, and public officials who are turning to online learning as coronavirus response disrupts the school year.

[Distance Learning Resources](#), The Smithsonian

[Rapid Response Resources: COVID -19](#), including specific resources for states, PIE Network

[Resources for Learning from Home During COVID-19 School Closures](#), Thomas B. Fordham Institute

America's Promise Alliance released a list of [resources](#) that can be helpful to young people, families, and those of you who work with and care deeply about young people and children.

Advance CTE's CTE on the Frontier [brief](#) that covers distance learning including case studies of North Dakota's Interactive Television program and Idaho's virtual learning academy.

A [weekly webcast](#) with engaging learner tasks for students while at home, Code.org

[Moving to Flexible Deliveries](#), Teaching and Learning Center

[Matching Technology to Components of Instruction](#), Teaching and Learning Center

[Keep Calm Keep Teaching](#), Teaching and Learning Center

[CTE Toolkit](#) consisting of resources, rubrics, videos and more, Asia Society

[Adult Basic Education Distance Learning Resource Site](#), EdTech Center @ World Education

[CTE Learn offer](#) for free courses to prepare educators to teach online, ACTE

ACTE:

<https://www.acteonline.org/professional-development/opportunities/distance-learning-resources/>

General Online/Distance Learning Guides and Tips

1. Continuity Planning and Emergency Preparedness (Online Learning Consortium): <https://onlinelearningconsortium.org/about/continuity-planning-emergency-preparedness-resources>
2. Stanford Teach Anywhere Best Practices (Stanford University): <https://teachanywhere.stanford.edu/best-practices>
3. Working and learning online during a pandemic (Pearson): <https://www.pearson.com/news-and-research/working-learning-online-during-pandemic.html>
4. Best Practices in Online Learning (University of Illinois Board of Trustees): <https://publish.illinois.edu/onlineinstruction/resources-best-practices-in-online-instruction/>
5. How to Be a Better Online Teacher: Advice Guide (*Chronicle of Higher Education*): <https://www.chronicle.com/interactives/advice-online-teaching>
6. So You Want to Temporarily Teach Online (*Inside Higher Ed*): <https://www.insidehighered.com/advice/2020/03/11/practical-advice-instructors-faced-abrupt-move-online-teaching-opinion>
7. Transitioning to Online Learning: Pro Tips on What You Need to Know (ASCD *Inservice*): <https://inservice.ascd.org/transitioning-to-online-learning-pro-tips-on-what-you-need-to-know>

8. Preparing to Take School Online? Here Are 10 Tips to Make it Work (EdSurge): <https://www.edsurge.com/news/2020-03-09-preparing-to-take-school-online-here-are-10-tips-to-make-it-work>
9. 10 strategies for online learning during a coronavirus outbreak (International Society for Technology in Education): <https://www.iste.org/explore/10-strategies-online-learning-during-coronavirus-outbreak>
10. Building a Community of Learning (Southern New Hampshire University): <https://www.snhu.edu/about-us/newsroom/2020/03/working-together>
11. Understanding the Impact of Coronavirus on K-12 Education: Weekly Webinar Series (International Society for Technology in Education and EdSurge): https://events.edsurge.com/webinars/understanding-the-impact-of-coronavirus-on-k-12-education/?_ga=2.160029821.1999570694.1584186179-250190693.1584186179
12. COVID-19 resources (curated by International Society for Technology in Education members): https://docs.google.com/document/d/1RpX_IAUt28fqqnO356EbOKxyY1_mwtVbepG2DdaVeWU/edit

General EdTech Tools

- TechForLearners.org searchable database of education technology tools (White House Office of Science and Technology Policy and the Software & Information Industry Association): <https://www.techforlearners.org>
- Education companies offering free subscriptions due to school closings (Google doc): <http://www.amazingeducationalresources.com>
- Helping teachers and students make the switch to remote learning (Microsoft): <https://www.microsoft.com/en-us/microsoft-365/blog/2020/03/11/helping-teachers-students-switch-remote-learning/>
- Explore distance learning resources for schools affected by COVID-19 (Google for Education): https://edu.google.com/latest-news/covid-19-support-resources/?modal_active=none
- [Free Microsoft Office 365](#) - free access to Microsoft Office 365 for you and your students. Use your CPS email address to sign up.

Federal Guidance

- Interim Guidance for Administrators of US K-12 Schools and Childcare Programs

(CDC): <https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/guidance-for-schools.html>

- Interim Guidance for Administrators of US Institutions of Higher Education

(CDC): <https://www.cdc.gov/coronavirus/2019-ncov/community/guidance-ihe-response.html>

- COVID-19 Information and Resources for Schools and School Personnel (U.S. Department of Education): <https://www.ed.gov/coronavirus>
- Providing Services to Children with Disabilities During the COVID-19 Outbreak (U.S. Department of Education): <https://www2.ed.gov/policy/speced/guid/idea/memosdcltrs/qa-covid-19-03-12-2020.pdf>
- Supplemental Fact Sheet: Addressing the Risk of COVID-19 in Preschool, Elementary and Secondary Schools While Serving Children with Disabilities (U.S. Department of Education): <https://www2.ed.gov/about/offices/list/ocr/frontpage/faq/rr/policyguidance/Supple%20Fact%20Sheet%203.21.20%20FINAL.pdf>
- Protecting Student Privacy: The Family Educational Rights and Privacy Act (FERPA) and the Coronavirus (U.S. Department of Education): https://studentprivacy.ed.gov/sites/default/files/resource_document/file/FERPA%20and%20Coronavirus%20Frequently%20Asked%20Questions.pdf
- Fact Sheet: Addressing the Risk of COVID-19 in Schools While Protecting the Civil Rights of Students (U.S. Department of Education): <https://www2.ed.gov/about/offices/list/ocr/docs/ocr-coronavirus-fact-sheet.pdf>
- Office for Civil Rights (OCR) Webinar on Online Education and Website Accessibility (U.S. Department of Education): <https://www.youtube.com/watch?v=DCMLk4cES6A>
- Federal Student Aid (FSA)-issued Coronavirus Information for Students, Borrowers, and Parents (U.S. Department of Education): <https://studentaid.gov/announcements-events/coronavirus>
- Information for Accrediting Agencies Regarding Temporary Flexibilities Provided to Coronavirus-Impacted Institutions and Accrediting Agencies (U.S. Department of Education): <https://www2.ed.gov/about/offices/list/ope/20-007covid19accreditorsfromomb317s.pdf>

Distance Learning Resources By CTE Pathway

The digital learning resources listed below are intended to help teachers deploy online learning plans across all CPS CTE pathways. These resources, guides and student activities are intended to support students online learning experiences as we mitigate the Covid 19 pandemic. These supports have been sourced by the CTE Instructional Support Specialists, Curriculum Specialists, Work-Based Learning Specialists and Cluster Managers.

CTE Pathway	Distance Learning Resource Link
Business/Accounting/Entrepreneurship	<ol style="list-style-type: none"> 1. MBA Learning Center (MBA Research and Curriculum Center): https://www.mbaresearch.org/index.php/curriculum-teaching/mba-learning-center <ul style="list-style-type: none"> • MBA Research is providing free unlimited student subscriptions for the Learning Center LMS for all subscribers until June 30. The Learning Center holds over 200 ready-to-use lesson modules (LAPs) focused around business, marketing, ethics, and 21st century skills. Current subscribers can click here for instructions on adding student accounts. • Schools that do not currently have a teacher subscription can purchase for a special price of \$200 for accounts expiring June 30, which also includes unlimited student subscriptions. The \$200 cost can be applied as a down payment toward the purchase of the Learning Center for the 2020-21 school year. • For ordering questions or concerns, email service@mbaresearch.org. For technical issues, email helpme@mbaresearch.org. 2. Aquilla Social Media Mindset marketing curriculum: https://aquillaed.com/cte-curriculum/social-media-mindset <ul style="list-style-type: none"> • In response to COVID-19, Aquilla is making their curriculum free for the remainder of the school year with no obligation to purchase to any school who is shutting down and needs online curriculum. Contact info@aquillaed.com. 3. KP digital curriculum in marketing (KP Education Systems): <ul style="list-style-type: none"> • KP is offering free access to its curriculum during the remainder of the 2019-2020 school year. To participate, fill out the form at http://www.kpcurriculum.com/covid19. 4. Virtual Enterprises International free curriculum and resources:

	<ul style="list-style-type: none"> • VE Tech Apps for Hands-Online Learning: This course was adapted from VE’s Technology Applications for Business and the Entrepreneur. Available for either middle school or high school, it is designed to provide hands-on, relevant learning experiences to all students in academic or CTE courses and includes orientation resources to get started. Learn more at https://veinternational.org/online-learning and fill out the form at http://form.jotform.com/200793743836059 • VE Online Resource Guide for All Schools: Based on the VE model of career exploration and career development courses, this resource guide provides schools with online learning activities that will help students and educators develop lessons applying to multiple subject areas. Learn more at https://veinternational.org/online-learning. <p>5. HowTheMarketWorks and PersonalFinanceLab.com free resources:</p> <ul style="list-style-type: none"> • HowTheMarketWorks free stock game, which includes built-in lessons and assessments, tutorial videos, lesson plans and teacher training webinars, and related distance learning resources: https://www.howthemarketworks.com and https://education.howthemarketworks.com/the-htmw-distance-learning-toolkit • PersonalFinanceLab.com is making its budgeting game free for all teachers for April, along with related distance learning resources: https://content.personalfinancelab.com/financial-literacy-month-budgeting-competition and https://content.personalfinancelab.com/blog/personal-finance-distance-learning-best-practices <p>6. EverFi provides students access to a learning platform and courses related to: digital literacy, financial literacy, and college and career readiness. Click here for support in setting up an EverFi account.</p> <p>7. Virtual Enterprise International is providing free access to many of their business, entrepreneurship, and IT resources. Click here to learn more.</p>
<p>Information Technology</p>	<ol style="list-style-type: none"> 1. Code Break interactive computer science classroom with weekly challenges to engage students of all abilities, even those without computers: https://code.org/break 2. Cisco Self Enroll Courses - A menu of virtual NetAcad Entrepreneurship and IT courses that your students can

	<p>access. Let me know if you'd like me to assign you an <i>Instructor</i> role, so that you can monitor the progress of your students.</p> <ol style="list-style-type: none"> 3. Free Certiport Learning Products and Practice Tests <ul style="list-style-type: none"> • If you have a Certiport testing center, Justin Barker has advocated to allow you free 90-day access to online learning solutions like LearnKey and GMetrix for Accounting, Entrepreneurship, and IT certifications. You are able to generate access codes within these solutions that you can share with your students. Please reach out to Justin if you need support justin.barker@pearson.com. Justin has also shared a free <i>Communication Skills for Business</i> (CSB) promotion with some of you that will give access to the training materials for 30 of your students. Code Avengers is also available for courses aligned to Microsoft Technology Associate (MTA) Certifications for Python, JavaScript, and HTML/CSS. 4. CodeHS is providing free <i>Pro</i> access to their IT courses through June 30, 2020. Click here to learn how to activate CodeHS Pro. 5. SoloLearn offers free programming lessons and quizzes for languages like: Python, Java, JavaScript, Ruby, Swift, C#, etc. 6. Dash by General Assembly offers a free and engaging web development course for students.
<p>Health Sciences</p>	<ol style="list-style-type: none"> 1. Health science resource sharing (Google doc): http://bit.ly/HealthScienceTeachers 2. Anatomy in Clay free resources: https://www.anatomyinclay.com/free-resources 3. The Great Diseases online curriculum (Tufts University School of Medicine Center for Science Education): https://sites.tufts.edu/ctse/great-diseases 4. Teaching Tomorrow's Disease Detectives: Science skills for the problem-based world (CDC): https://www.cdc.gov/careerpaths/scienceambassador/educational/index.html 5. PBS Learning Media: Health and Physical Education (PBS): https://www.pbslearningmedia.org/subjects/health-and-physical-education/ 6. Resources for Online Biosciences Learning (Amgen Biotech Experience): https://www.amgenbiotechexperience.com/resources-online-biosciences-learning and https://docs.google.com/spreadsh

	eets/d/1C0YbCFLQc8pgG5_z-ts9rvG3M3PscQmLU76Hj2w3bTWc/e dit#gid=1728867575
Pre-Engineering/ Manufacturing	<ol style="list-style-type: none"> 1. STEM at Home (Learning Blade): http://www.learningblade.com/parents 2. STEM in 30 and Smithsonian Learning Lab (Smithsonian Institution): https://airandspace.si.edu/connect/stem-30 and https://learninglab.si.edu/distancelearning 3. PBS Learning Media: Engineering and Technology (PBS): https://www.pbslearningmedia.org/subjects/engineering-technology/ 4. Autodesk free software, content and curriculum: https://www.autodesk.com/education/covid19 <ul style="list-style-type: none"> • Free software: Autodesk has granted access to its tools to students and educators for the past five years with no charge. This remains unchanged. Please visit www.autodesk.com/education to get started. • Free content & curriculum: Autodesk has packaged content for educators to support distance learning efforts and self-paced training for students. Visit https://academy.autodesk.com/ to find resources. 5. COVID-19 teacher resources for technology and engineering education (International Technology and Engineering Educators Association): https://www.iteea.org/Resources1507/covid.aspx 6. <i>PLTW High School</i> – While PLTW High School courses are primarily hands-on, lab-based learning experiences, PLTW is actively working to provide support for teachers and students completing the curriculum from home. PLTW is continuing to work with our partners to provide additional distance learning alternatives for technology over the following days and weeks, and will share more information as it becomes available. In the meantime, we recommend visiting Community in myPLTW for more ideas and collaboration as you adjust curriculum to your students' needs.
Construction	<ol style="list-style-type: none"> 1. NCCER virtual training options, remote proctoring and free online testing (National Center for Construction Education & Research): <ul style="list-style-type: none"> • Instructor-led training may be conducted online: https://www.nccer.org/workforce-development-programs/virtual-training • Remote proctoring and free of charge online testing for craft module tests (knowledge only) will be available from April 6 – May 15, 2020. For all the details, including how to get started, eligibility requirements and more, visit https://www.nccer.org/workforce-development-program

	<p>s/remote-proctoring. You can sign up for a webinar overview of remote proctoring at https://zoom.us/webinar/register/7615850861861/WN_67FELYWRj-8FRpWU-WhhQ.</p> <p>2. HBI complimentary online learning alternatives (Home Builders Institute): http://www.hbi.org/Portals/2/Files/HBI_OnlineResources_Communication_NAHB.pdf</p> <ul style="list-style-type: none"> HBI is offering complimentary access to online learning alternatives to Home Builder Associations (HBAs) through May 1. The Flexible Instruction Day (FID) material does not require textbooks or workbooks to accommodate self-paced student learning. Fundamental knowledge and skills, such as safety, communication, social media presence and interviewing are examples of subject areas that will be organized into online learning paths. <p>3. Construction trades online lesson plan sharing (National Association of Home Builders):</p> <ul style="list-style-type: none"> 1. Go to classroom.google.com and click “Sign In.” Sign in with your Google Account. 2. At the top of the page, click “Add” (or +), then “Join class.” 3. Enter the class code and click “Join.” NAHB has two Google Classrooms: secondary (use code 7zqbfqb) and postsecondary (use code wmsnhju). Please note, the classroom codes will read “invalid” with most school Google accounts. If you encounter difficulties, you may need to use your personal Google account. <p>4. Online Resources for Trades Teachers (Harbor Freight Tools for Schools): https://harborfreighttoolsforschools.org/online-resources-for-trades-teachers</p> <p>5. Wood Working Elearning Plans 2020 (Google Doc created by teacher Ashley O’Connor): https://drive.google.com/file/d/1-Ta63LuMVleXDowtMpr3qRjfmPdL9Bd1/view</p>
<p>Digital Media/Broadcast Technology</p>	<p>Adobe Distance Learning Resources</p> <p>Get instant access to free courses, workshops, and teaching resources — and connect with the creative education community. Log in ></p> <p>Extended Creative Cloud access for schools impacted by COVID-19</p> <p>If your institution currently provides Adobe Creative Cloud access to students through on-campus labs, you can now request temporary</p>

at-home access for your students and teachers. Adobe will grant access through May 31, 2020 to qualifying schools worldwide at no additional cost.

[Learn more >](#)

[Explore our distance-learning resource center](#)

We've brought together some great lesson plans, projects, and webinars in one place so teachers can find new ways to engage students remotely, communicate with parents, and look after their own well-being.

[Start now >](#)

DISTANCE-LEARNING HIGHLIGHTS

SELF-PACED COURSE

[Just updated: Flipped Learning for your Classroom](#)

We've just refreshed this free course to make it even more relevant for distance learning. Join us to see how to easily create your own digital flipped-learning content with Adobe Spark Video.

[Enroll now >](#)

STUDENT PROJECT

[Create a popular science vlog](#)

Challenge students to synthesize scientific findings on a current public health issue and then use Adobe Spark Video to present their research in a compelling way.

[Download now >](#)

EXEMPLAR

[Communicate using video updates](#)

Give students a fun and easy way to communicate with one another about daily life and their studies while learning from home.

School closing has you in a pinch check out the All American High School Film Festivals VPRC.

<https://www.hsfilmfest.com/vprc>

Over 50 lesson plans of high value for filmmakers, check attached links out .

[VPRC](#)

Show Don't Tell

Show Don't Tell 2

Certiport – www.certiport.com

Adobe Certified Associate – www.certiport.com/aca

Exam Objectives -

<https://certiport.pearsonvue.com/Certifications/Adobe/ACA/Certify>

1. ACA Certification Layout

2. ACA Test Prep -

http://www.gmetrix.net/documentation/documents/Course_QS_Guide.pdf

a. Create access codes at www.gmetrix.net/manage - teacher/admin login required

b. Students register account at www.gmetrix.net and redeem ACA Test Prep access code

3. GMetrix – download software at www.gmetrix.net/download

*Tutorials and resources found at www.gmetrix.net/manage after login

i.

5. Compass – www.certiport.com/compass

6. ACA Proctor Guide -

<https://certiport.pearsonvue.com/Support/PDFs/ORG-ACA-CC-Proctor-Guide>

*Proctor guide will give instructions for rolling back software if this is needed.

7. ACA Retake Policy -

<https://certiport.pearsonvue.com/Educator-resources/Exam-policies/Retake>

· If a candidate fails their first (1st) attempt to pass any Adobe Certified Associate (ACA) certification exam, there is a one-day waiting period for retaking the failed exam a second (2nd) time. One day is defined as 24 hours after the exam was first started.

· If a candidate does not pass the exam the second (2nd) time, the candidate must wait for a period of at least five (5) calendar days from the date of their last attempt to retake the exam a third (3rd) or any subsequent time.

· This policy applies to both voucher-based and site-license-based Certiport centers.

· All original vouchers must be used prior to their expiration dates, without exception.

· Retake vouchers must be used within 60 days of the initial failed exam. If a retake was purchased, the retake voucher is sent by email after a failed exam.

	<p>Test results found to be in violation of this retake policy will result in the candidate not being awarded the attempted credential, regardless of score.</p> <p>9. Support Resources</p> <p>a. Justin Barker – justin.barker@pearson.com or 801-847-3110</p> <p>b. Onboarding 888-222-7890 (software installation and training)</p> <p>c. Technical Support 888-999-9830 x1 or Live Chat - https://certiport.pearsonvue.com/Support/Support-for-CATCs/Technical-support</p> <p>d. Pre-recorded Training Webinars – www.certiport.com/webinar</p> <p>e. GMetrix Support 801-323-5800 or support@gmetrix.com</p> <p>10. Competitions - https://certiport.pearsonvue.com/Educator-resources/Competitions</p>
<p>Culinary Arts</p>	<ol style="list-style-type: none"> 1. KP digital curriculum in culinary arts/hospitality/food service (KP Education Systems): <ol style="list-style-type: none"> a. KP is offering free access to its curriculum during the remainder of the 2019-2020 school year. To participate, fill out the form at http://www.kpcurriculum.com/covid19. 2. Culinary instructional videos (National Center for Hospitality Studies at Sullivan University): https://pages.sullivan.edu/educators/?fbclid=IwAR1McqKQUjneSIMxlVdt_GeqqnXy5WNgKxt0ahDdC6i1ds9Gv5ovJufgt1M#InstructionalVideos 3. Student Learning Opportunities 4. Roubé.com Cooking Lessons and Assessments from C-CAP https://www.ccap.rouxbe.com/ 5. Venture Entrepreneurial Expedition: Food Truck from Everfi 6. Contact Jim Sandherr, jsandherr@everfi.com, for access. 7. Teacher Development Resources 8. Training-Transitioning to On-Line Teaching 9. https://www.acteonline.org/wp-content/uploads/2020/03/CTE-Learn-Offer.pdf
<p>Agriculture/ Horticulture</p>	<ol style="list-style-type: none"> 1. NAAE distance learning resources (NAAE Communities of Practice): https://communities.naae.org/community/instruction/online-distance-learning-resources

	<ol style="list-style-type: none"> 2. FFA remote teaching resources (FFA): https://www.ffa.org/my-toolbox/instructor/educator-resources 3. Ag Education Discussion Lab (Facebook group): https://www.facebook.com/groups/ageddiscussionlab 4. Resources to support agriculture teachers during remote learning (Wakelet curated by Dr. Robin McLean): https://wakelet.com/wake/ff0f657d-bba2-480f-bae4-a113e54f29f1 5. National Ag Day virtual programming: Resources from this week’s virtual training are available for teachers, state staff, and others to use. You can download the videos and handouts from each session and the videos are available for streaming. Topics include advocacy, government interactions, building your story and elevator pitch, and a review of the agriculture, food and natural resources value chain. 6. Free resources on FFA.org: The Educator Resources page on FFA.org hosts numerous resources for online or extended learning. We’ve created a table of contents that highlights some of the most popular tools and recent additions to the library. The document is an easy-to-use reference that includes descriptions, direct links, and indicators of online and offline use. Please share these items with educators in your state. We hope that the information provided will help you during this time of change. We are in this together and willing to help in whichever ways we can. Please email any questions to education@ffa.org.
Personal Care	<ol style="list-style-type: none"> 1. Guided teachers through rostering students, setting up classes, and selecting materials for dissemination to students. Course offerings include A&P, Health Science, cosmetology, barbering, employability skills. Free through June. All teachers received log ins. https://www.todaysclass.com/
Pre-Law	<ol style="list-style-type: none"> 1. Navigate Cengage's online materials called MindTap which are virtual extensions of texts used in health science and pre-law. Free through June. https://www.cengage.com/mindtap/ 2. Showed teachers the array of free resources available for use. They align with the text used by many teachers for sophomore class and include mock trial resources from StreetLaw. https://www.streetlaw.org/additional-pages/for-educators
Education	<ol style="list-style-type: none"> 1. GoodheartWilcox webinar https://www.g-w.com/6-12-education

CTE Contact Information

For more information and instructional support, please contact your CTE Instructional Support Specialist directly:

Cluster : Media, Culinary Arts and Agriculture

Sherry Franklin: Instructional Support Specialist- smfranklin4@cps.edu

Lateefah Harland: Instructional Support Specialist- lfharlandyou@cps.edu

Cluster: Manufacturing, Construction, and Transportation, Architecture, Pre-Engineering

Angela Brinker-Collins - Instructional Support Specialist- agbrinkercollins@cps.edu

Cluster : IT, Business and Finance

Troy Meinders: Instructional Support Specialist- TJMeinders@cps.edu

Nadine Leblanc -Instructional Support Specialist- nlleblanc@cps.edu

Cluster : Health Sciences, Personal Care, Education and Pre-Law

Alisha May-Bouler : Instructional Support Specialist- ammaybouler@cps.edu

Daphne Alcide- Instructional Support Specialist- dalcide@cps.edu