

COVID-19:

Impact on Career and Technical Education



"We always stress to our teachers and students to think outside the box, but during these times, CTE educators need to think of how to be innovative while stuck inside the box." - Dr. Bart Taylor, Texas A&M University



Resources available to support CTE programs

Many colleges & universities, state education departments, institutions, and professional organizations are providing **free and/or easily accessible resources and tools** to aid CTE programs, students, and program graduates

- University of Florida, Furman University, Iowa Agricultural Literacy Foundation, the National Council for Agricultural Education, and the CDC are attending to e-learning needs for students pursuing coursework in agriculture studies and health sciences
- KP Education Systems and Milk Street Cooking School are providing digital resources to culinary school students
- Organizations like DECA and companies like Autodesk are partnering with schools, educators, and students to provide hundreds of digital software programs and e-learning tools



Limitations for CTE programs



While coursework and assessments can be easily adapted and transition to remote learning, CTE programs and its students are losing the hands-on instruction and practice components.

92% of high school students take part in CTE coursework and **8.4 million people** in the US seek associate degrees and postsecondary certification in CTE careers

- **Over 1,100 colleges and universities** in all 50 states have changed their grading policies and also cancelled in-person classes or moved to online instruction, with some beginning to plan for remote learning for the fall term
- Studies have found that student performance can suffer in online classes



Implications for CTE programs

Career considerations:

- In response to school closures, Lincoln Electric, Tooling U-SME, NC3, camInstructor, Haas Automation and SkillsUSA have formed a **CTE Coalition** and are working with CTE programs and instructors to offer instructional material and resources on the coalition's website, *Keep CTE Moving*

Economic considerations:

- Research indicates that nearly **1 in 4 US workers**, or **38.1 million individuals nationwide**, work in industries that are experiencing immediate economic impacts from the pandemic
- The **manufacturing industry** is already facing labor shortages and COVID-19 is expected to drive further strains on the industry's workforce

- Other industries projected to experience labor shortages and other economic consequences include the **service sector, agricultural sector, and trade & logistics sector**