



<b>Breakouts</b>	
<b>Title</b>	<b>Description</b>
Regional PLCs: How Can We Support Teachers Who Work in Isolation?	CTE teachers are often the only person in their district that teach their prep and even their career pathway. This session recommends building regional support systems — professional learning communities (PLCs) — for CTE teachers. Virtual meetings allow us to build teams with varied levels of experience and career backgrounds. Regional PLCs connect to collaborate and share expertise and resources, as well as to enhance teaching skills and increase student engagement for greater academic success. Work smarter, not harder! #StrongerTogether
Recruiting Remote Students Through At-home CTE Activities	This session describes how to recruit remote high school freshmen using CTE activities that can be completed at home.
Building a Collective Impact by Uniting Illinois CTE Administrators	Perkins innovation doesn't only apply to grant writing and applications. Apply innovation to the professional growth of educators providing career exploration opportunities for students. Learn how a group of Illinois CTE administrators from urban, suburban and rural communities united to shift from a fixed to a growth mindset. This process strengthened relationships between state leaders and targeted specific areas for increased collaboration. This session will cover topics that include developing a community grounded in equity; creating a listserv to assist with housing institutional knowledge; strengthening dynamic regional professional development for CTE faculty engagement and retention; and enhancing business and community partnerships regardless of the setting.
Building a Community Together: A Collaborative Approach to Integrating, Aligning and Managing Curriculum	How do you know that your CTE courses are meeting the standards outlined in the framework and preparing students for successful work-based learning (WBL) experiences? Join us to learn the process for helping CTE teachers unpack course standards related to the WBL framework. Discuss how to collaborate effectively within your community to create a high-quality comprehensive work-based learning experience for your CTE programs. Learn tools and processes to ensure accountability, appropriate funding and equitable access to your programs.

<p>The Journey to a Career Tech Transcript</p>	<p>Our presentation will focus on how schools can connect all of the critical CTE data points in a single transcript that then serves as a resource for students, documenting their career tech experience.</p>
<p>Moving CTE Teacher Mentoring from Face-to-face to a Virtual Environment</p>	<p>This presentation will explore using video technologies to transform teacher mentor/observations for both CTE classroom teachers and CTE teacher preparation programs. The tool, GoReact, will be demonstrated as a virtual option for teacher mentoring, evaluation and support. This service moves mentoring from static face-to-face evaluations to a deeper self-reflection and support system.</p>
<p>Implementing a Work-based Learning Action Plan</p>	<p>This session will demonstrate how a work-based learning action plan was developed to enhance and assess the quality of work-based learning experiences provided in secondary family &amp; consumer sciences programs, due to a research study. Participants will receive access to this action plan, which can be applied to any CTE program.</p>
<p>How to Partner with Community Colleges to Strengthen High School CTE Programs</p>	<p>The Morris County Vocational School District partners with the County College of Morris to deliver four unique CTE programs forging pathways to the workforce as well as two- and four-year college. Many students earn 25–40 college credits while still in high school.</p>
<p>Ohio &amp; New Mexico Partner to Meet Student and Employer Needs!</p>	<p>Due to regional economic needs, our bilingual customer service program was born. In this program for high school seniors only program, bilingual students apply customer relations principles as they work to become successful customer service representatives. Students learn essential writing, professionalism and telephone skills while pursuing the Central New Mexico Bilingual Customer Service Certificate. Employment opportunities exist in retail, high-tech, insurance, hospitality, banking, health care and any other industry where customer service is the focus.</p> <p>Since the program's inception in 2018–19, we have added an additional high school and opened the program to our entire school district. More than 50 students have participated in the program. We will share what we have learned along the way and how this program has benefited our students and our employers.</p>
<p>You Think Your CTE Program is Successful? Prove It!</p>	<p>Whether you are sharing with your school board, your community, your parents, your students or your staff, this presentation will demonstrate innovative ways to tell your story, measure your success, and identify opportunities for improvement within your CTE programing.</p>

<p>Teaching Employability Skills for a New Workforce: Knox County Schools' Approach</p>	<p>We will provide an overview of how Knox County Schools prepares students, teachers, counselors and administrators for demands in the workforce.</p>
<p>2020: Foresight, Not Hindsight</p>	<p>We all know there is only one constant in this world — change — and nothing exemplified that better than 2020. The past year has accelerated systemic shifts in the workforce, educational system and in society. In addition, the growth of new technology, specifically in automation and artificial intelligence, will cause further disruption. Research shows that these forces will continue to gain speed to cause a massive decoupling by the year 2030. Now is the time to prepare for the coming reality. CTE must focus on building a resilient and inclusive workforce. Learn how to develop seven skills that will make you and your students relevant today and in the future. Now presents the opportunity for us to evolve our practices and ensure that everyone has an equal opportunity for success in 2030 and beyond.</p> <p>As the world becomes more and more high-tech, leaders must become more high-touch. While it is often said that hindsight is 2020, great leaders may instead view it as foresight.</p>
<p>Brand Building on Social Media by Layering</p>	<p>Brand building on social media is about developing a layered strategy. The foundation of social media should be to tell your CTE story. Often, that foundation is not done well (or is done incorrectly). We'll talk about that foundation, about brand building, promotion and advertising as ways to layer and develop your CTE brand.</p>
<p>How To Create and Sustain Quality CTE Programs with Embedded Work-based Learning Across School Districts</p>	<p>Learn cutting-edge strategies about embedded work-based learning and how we have revitalized CTE, utilizing two programs to create systemic change. These efforts are driving innovation across a large metropolitan school district. We will walk participants through each step of the process and provide a road map to replicate similar initiatives in their own districts.</p>
<p>Toolkits for Managing and Engaging Work-based Learning in All Learning Environments</p>	<p>Join this session to learn from the Jeffco Career Links Team from Golden, Colorado, about engaging and authentic work-based learning initiatives conducted in both in-person and remote environments. Established in 2018, from a proactive vision that career exploration should be an integral part of a student's educational journey, this team has created a new mindset: All postsecondary experiences have value for a student's future has value.</p> <p>Attendees will learn practical applications for planning and executing classroom, schoolwide and districtwide WBL events, including job shadows, virtual industry interviews, career panels, virtual career expo and career fairs. Additionally, every attendee will leave with a toolkit of resources for resume writing, networking, capstones, industry interviews, event planning, technical resources and industry CTE advisory committee recruitment. We look forward to sharing our experiences and engaging in a rich presentation and Q&amp;A session.</p>

<p>How CTE Classrooms are Uniquely Suited to Meet SEL Needs</p>	<p>Everyone is thinking about how to make up for lost time in our CTE classes and worried about adding even more, no matter how important. In good news, when it comes to incorporating social and emotional learning (SEL), CTE teachers are perfectly positioned due to their inclusion of employability skills. Simple strategies and an understanding of how SEL aligns with CTE can help make the CTE classroom effective in supporting students as schools return to better-than-before normal.</p>
<p>How Do Educators Meet Our Students Where They Are When the World Seems to Change Daily?</p>	<p>By coming together as a global community. So many people think that global education is a whole different way of teaching, but it is like an annex. An annex is a building joined to or associated with a main building; global is the annex. It is associated with everything we do in education. We must view education on a global scale for the success of our students. Learn why and how global competency is the currency with which our students will achieve success in a diverse, ever-changing workforce.</p>
<p>It Takes a Village: Community Partnerships in a Virtual World</p>	<p>A career and technical education program grows with the community support it receives. This session will provide a framework of practices that can be added to any CTE program to strengthen its community partnerships and support of stakeholders.</p>
<p>From Classroom to Career: Bridging the Gap in a Virtual World</p>	<p>Hear from leading industry representatives on ways to pivot thinking to build better partnerships that meet the needs of both students and businesses.</p>
<p>Mentoring New Teachers During a Pandemic: A Pivot to Virtual Coaching</p>	<p>New Teacher Institute (NTI) is the induction program for Kentucky CTE teachers transitioning from business and industry into the classroom. Mentoring is a key component of the program. As part of NTI, each new occupation-based teacher participant is assigned a trained mentor coach who offers an added layer of support. The mentor–mentee interactions are designed to provide collaborative problem-solving, emotional support and information to new teachers, with the goals of relieving feelings of isolation often experienced by novice teachers and increasing retention through preparedness.</p>
<p>Start Where You Are to Grow College &amp; Career Readiness</p>	<p>ACTE requested that this session be included in the Best Practices programming. Our organization has developed resources that support career and college readiness work for multiple levels of education stakeholders. These resources are used to guide schools and districts through program planning decisions — either as a step-by-step guide, or as individual pieces that best fit with the current phase of planning or improvement efforts.</p>

<p>CTE, Career Academies &amp; Meaningful, Sustainable Community Engagement!</p>	<p>ACTE has worked with Ford Next Generation Learning (Ford NGL) to develop the Career Academy section under its New and Related Services Division. If you want to take your CTE programs to the next level — to build meaningful community and employer engagement that is scalable and sustainable — come learn more about this growing movement with ACTE and Ford NGL. Discover the work taking place in CTE to transform the high school experience.</p>
<p>Decoding Modern Apprenticeships for Accelerating Cybersecurity Careers</p>	<p>This session will focus on the significant rise in the number of new and unfilled information technology (IT) positions. The explosion of issues surrounding cybersecurity has led to increased demand in the IT industry sector. Administrators need to know about the career opportunities in their communities and how to connect with companies to best support learners' needs in developing important skills for employment.</p>
<p>Applying Location Intelligence to Identify Workforce Needs, Enrollment Strategies and Business Partnerships</p>	<p>Our primary goal was to grow enrollment that was resonant with regional workforce needs. A location intelligence platform was used to identify demographic groups based on where families live and work and the type of work that they do. This was then linked with jobs, businesses and industries in our region. Real-time data and analytics allowed us to build strategic plans around enrollment and recruiting, program development and curriculum modifications, marketing and branding, facility planning, and resource allocations.</p>
<p>Rethinking Career Pathways: Leveraging Entrepreneurship Education to Prepare Youth for Real Life</p>	<p>Research demonstrates a gap in how education prepares students and the workforce readiness skills sought after by employers (e.g., critical thinking and problem solving).</p> <p>Network for Teaching Entrepreneurship (NFTE) is a global nonprofit that works with secondary and postsecondary students in under-resourced communities to help them develop entrepreneurial skills. NFTE believes that challenging students to leverage their talents and expertise for success truly mirrors real-life work experience.</p> <p>NFTE also works to establish a strong partnership across schools and businesses in the community to ensure students receive mentorship and guidance from entrepreneurs and members of the workforce, creating experiences that truly align.</p> <p>The session will present a panel discussion between Jeannine Schloss, NFTE, and representatives from both the Career Education and Workforce Partnerships at Dallas ISD and the Texas Workforce Commission. Jeannine will provide details about a strong state-level partnership in Florida where NFTE has brought together secondary and postsecondary CTE programs across the state with entrepreneurship education as the connecting framework. Representatives from the Career Education and Workforce Partnerships at Dallas ISD and the Texas Workforce Commission will discuss aligning secondary and postsecondary opportunities with entrepreneurship.</p>

<p>Beyond the Curriculum</p>	<p>“The benefits of gratitude start with the dopamine system, because feeling grateful activates the brain stem region that produces dopamine.” –Alex Korb, Ph.D.</p> <p>“When threatening conditions do not exist, the reticular activating system focuses its attention on stimuli that arouse curiosity. This is the ‘key to the gate.’ The brain seeks input about the new, the unexpected, the colorful, musical, moving, aromatic sensations.” –Dr. Judy Willis</p> <p>The best educators elicit curiosity and innovation in their students through passion, competence and connection. The day-to-day demands of curriculum and protocol can often feel overwhelming in a world where a clear mind contributes to our best work. Neuroscientists and psychologists have routinely proven the importance of culture in education. Beyond the Curriculum focuses on the importance that school culture plays in our quest to reinforce a growth mindset and will provide attendees with simple takeaways that encourage staff, students and families to communicate authentically, learn creatively and contribute passionately. The formula shared is simple with implications that will last a lifetime.</p> <p>In just under an hour, Aaron will share a story decorated with peer-modeling, direct-speak and innovative approaches that reach far beyond curriculum. This approach, founded in social-emotional well-being, has led to the transformation of students and educators on a multitude of levels. Leave smiling. This session may change the way you teach and transform the way you think.</p>
<p>The Culture Impact</p>	<p>What do Kool-Aid, yogurt and Petri dishes have in common? They each hold clues for effective leadership in your organization. Discover how to create an environment that keeps your staff and clients coming back for more.</p>
<p>Increase Student Retention Rates &amp; Skill Attainment While Increasing Student/Teacher Ratios Using Technology in Welding Education</p>	<p>This session will examine the results of a program transformation by WSU Tech in Wichita, Kansas, to meet local employment demand for welders. The goal of the project was to develop a virtual training lab that could be used in concert with the hands-on welding lab to increase the student population without diminishing quality of the program. WSU Tech worked with Kansas State University to develop a study to understand the impact of integrating VR technology. If you want to learn why students would say “It’s just like... BAM!”, then this is the session for you. Participants will learn about the challenges facing the program and the steps that they took to overcome them and the results achieved.</p>

# Roundtables

Title	Description
<p>How Do CTE Faculty Advise Students to Cope with the Transition to College?</p>	<p>This presentation will showcase qualitative research of how CTE faculty advise students to cope with the transition to community college in the first year. The presentation will highlight key findings of how CTE faculty across three community colleges in Texas deliver advising to support student success. Through the framework of Schlossberg's 4 S Transition Model, this session will delve into how faculty consider the student's Self, Situation, Supports and Strategies. This presentation will provide participants a framework of resources and factors to consider as they support students transitioning to college. Additionally, this session will offer tools for faculty to consider as they align their faculty advising practices.</p>
<p>Tackling Teacher Retention with an Innovative Approach to Teacher Induction</p>	<p>Through a partnership with postsecondary institutions, the Kentucky Office of Career and Technical Education reimaged occupation-based teacher preparation. This session will walk participants through the process of regulatory, relational and structural changes made to an induction program in an attempt to retain every teacher every year.</p>
<p>Creating Industry Partnerships to Provide Work-based Learning for Your Students</p>	<p>Learn how Polaris Career Center worked to partner with Swagelok to provide on-the-job training for precision machining students in a time of need. Learn how to initiate and build partnerships and see an example of work-based learning in full effect.</p>
<p>Project Baste Learning: Using BBQ to Engage CTE Students</p>	<p>Learn how to start a high school BBQ club or team and incorporate project-based (baste) learning into your CTE department, CTSO, school or district. Increase student engagement, boost student achievement, support campus fundraising and catering needs, and increase student attendance and graduation rates through the American tradition of a cook out.</p>
<p>Pivoting to Practice: Implementing a Framework for Professional Training in your CTE Program</p>	<p>In this session, discover a framework for professional training to help structure work-based learning experiences in all clusters of CTE programs. Attendees will be prompted to think about how we show learners what our career cluster practices looks like (representations); how to break down complex activities and practices into namable parts (decompositions); and how to give students safe and structured opportunities to try career practices out for themselves (approximations).</p>

Using Virtual Resources for Construction Education	Teaching and training have changed since March 2020. How do you teach construction in a virtual environment? This presentation will talk about tools to train and engage virtual students and how to utilize those tools in the classroom. We will also discuss how to use the resources to help articulate transitions between secondary and postsecondary education or industry training.
Navigating Student Opportunities: Mentorships in a Virtual World	Bastrop Independent School District (Bastrop, Texas) will share insights from virtual work-based learning provided to CTE students during the 2020–21 school year, which included student access to entry-level networking and development of social capital via mentorship. The presentation will include both school and business partner viewpoints from the district’s virtual mentoring program.
Virtual Mock Interview Day: How to Maintain and Grow Business and Community Partnerships in a Virtual World	This session shares how the Atlanta College and Career Academy worked with more than 65 industry professionals to provide mock interviews for students. This event not only reinforced employability skills but resulted in new partnerships that provided work-based learning and teacher externship opportunities.
CTE Teacher Recruitment, Training and Retention Toolkit	This proposal grant project seeks to bring together a collaborative group of ECMC Foundation fellows across five U.S. states (Florida, Iowa, Kentucky, North Dakota and Tennessee) with experience in secondary and postsecondary CTE. Fellows will apply lessons learned and best practices to create a digital toolkit of practical and proven strategies for recruitment, training and retention. The goal for this toolkit is to provide information to recruit, prepare and retain quality CTE teachers who will influence and promote equity in CTE.
Globalizing an Online Graduate Business Education Course	Learn the findings of a course evaluation review for an online, graduate-level business education course. The course was modified with a new Global Business Competency module, using an international virtual exchange component, to increase diversity and promote global business education expertise in Florida’s CTE programs. Students in this course — future business education teachers and administrators — will interact with Latin American students and/or business owners. Pre- and post-module student survey results will be discussed, as will global competency course materials and lessons learned. This project was funded through a CIBER Consortium for Minority-Service Institutions & Community College Grant.

<p>FCS Programs Collaborate Online to Recruit Teachers, Engage Their Students and Retain CTE Professionals</p>	<p>Family and consumer sciences (FCS) educator preparation programs (EPP) from six states work collaboratively to recruit and prepare quality FCS teachers through the Great Plains Interactive Distance Education Alliance (GPIDEA). The faculty provide highly innovative and interactive distance education courses that engage students as they become CTE professionals and prepare current FCS educators for career advancement and leadership. This session will highlight the innovative collaborations of faculty and their strategies for engagement in an online EPP. With more than a decade of collaboration, presenters will illustrate successes from the program's inception and share innovative ideas for recruitment and retention of FCS educators.</p>
<p>Identify, Innovate &amp; Invigorate your CTE IT &amp; STEM Programs of Study</p>	<p>Technological challenges seem to shift daily. Global competition for in-demand careers is at an all-time high and will continue to increase as world ideologies expand, environmental factors intensify, and high-tech globalization flourishes. Students face life-changing career decisions during formative years and, once in secondary education, they develop advanced skills and earn certifications to enter the workforce and/or pursue higher education. Integrating rigorous CTE STEM and academic curricula allows students to enjoy the benefit of college and career readiness. Discover how to maximize your STEM and information technology (IT) pathways while garnering support from all stakeholders.</p>

CTE Research Network Practitioner Training Modules: Free Resources to Better Understand and Use CTE Data and Research

The CTE Research Network’s mission is to expand the evidence base on CTE, and to strengthen the capacity of researchers and practitioners to conduct, use, and share rigorous CTE research. We have created six online Practitioner Training Modules that can be used to train state and district CTE policymakers and practitioners to use data and research to inform decision-making and support continuous improvement efforts. This session will provide an overview of the modules and information on freely accessing and using them, as well as a deeper dive into Module 5: Using Research to Design Your CTE Program for Equity. The training modules are designed to align to the needs and experiences of policymakers and practitioners. CTE policymakers and practitioners at the state and local levels collect and use data to inform CTE program development and evaluate success. They assess local business community needs and opportunities to help determine programming. They track student enrollment and persistence in, and completion of, different CTE programs and measure longer term outcomes where possible. Training in best practices for data collection and organization can help to improve data systems, and training in research methods may support practitioners’ use of data and research to inform state and local programming decisions. The modules will cover best practices for building data systems to support longitudinal, cross-agency research; methods for collecting data and using extant data to monitor CTE program implementation and evaluate program success; understanding research evidence; and communicating and using research. Each module has been designed for independent training and is accessible through the CTE Research Network website. The modules include facilitator guidance materials to explain how to use and adapt the materials for in-person trainings and include a PowerPoint presentation with handouts and participant activities.