Concurrent Sessions

Thursday July 18:

**Concurrent Session 1 = 9:10 – 9:55**
- **Leadership:**
  - Helping Students Find Light at the End of the Tunnel – Jill Stewart-Keller & Sarah Shanley
    - Our current generation of learners between ages 4 and 24 (GenZ) are motivated differently than most educators and leaders in CTE today. This session will share effective strategies everyone can use to engage today’s learners from the first day of school through graduation and beyond.

- **Partnership:**
  - Leveraging Industry Partnerships to Expand and Promote CTE Programs – Carl Vallianatos & Ryan McTague
    - Over the past five years, McHenry High School D156 in McHenry IL has expanded their CTE offerings, added dynamic teachers, and has seen the student enrollment in career and technical education grow. A centerpiece of their strategy has been to build robust partnerships with business, civic, municipal, and industry leaders. These relationships have helped McHenry HS create one of the premier career expos in Illinois, pass a $44 million dollar referendum, and begin construction on a new 70,000 square foot Center for Science, Technology, and Industry. Industry partnerships have helped alter the educational dynamic for McHenry High School the McHenry community. Participants will hear the story of progress and learn how to garner support from key community stakeholders.

- **Teaching:**
  - Opening Doors to High Growth of Hospitality and Tourism Management Sector–Greg Krawiec and Doralene Abdel Halim
    - Open doors to a high growth career pathway for your high school students by exploring Hospitality and Tourism Management within the Family and Consumer Science career cluster. Job growth is projected to be 10.3% or 1.6 million new jobs through 2028 in the restaurant segment with the hotel segment growing at 7.8%. Dive into a high growth industry that generates hundreds of billions of dollars in revenues and close to $2 trillion in ancillary spending with supporting tourism businesses. Join this informative session to enhance your existing HTM classes. Or, gain insights as to how you can begin a course at your high school and give your students access to a global career path that is well suited for today’s generation.
  - (Off Site) Cooking and Foods at Shakopee High School (~2 hour session)
    - Who doesn’t love food, right?, especially students! In this hands-on workshop you will have the opportunity to work with food, learn and share ideas for foods, food science, and culinary classes. Come, enjoy and learn while doing so.

**Concurrent Session 2 = 10:05 – 10:50**
- **Leadership:**
This session will provide participants with information concerning the current status of the development of a state-wide safety resource for middle & high school Trade & Industry and Agricultural Mechanics labs, shops, and working spaces. Participants will also be asked to provide feedback on the project, share successes and challenges of their own districts/consortiums around fostering a culture of safety, and to identify additional stakeholders.

At the end of the session, participants will know details about the safety resource, what alternative resources are currently available, and how they can advocate for use of the resource in their district, consortium, or region.

- **Partnership:**
  - Working Together: Creating and Expanding Experiential and Work-Based Learning Programs – John Double
    - This session will assist attendees with the creation and expansion of Experiential and Work-Based Learning Programs that include ALL students. We will discuss Workforce Background data to give you a grounding for your program, show you some program examples from the Albert Lea Area School district, explain some of our current initiatives improving our programming and collaborations, and provide guidance on creating interest and buy-in as you work with your community and employers.

- **Teaching:**
  - Solar Energy (~2 hour session) - Doug Kleeberger - Energy Center of Excellence
    - Interested in Solar Power? The Energy Center of Excellence strives to incorporate energy learning within the classrooms. This workshop will focus on solar power. The first part of the workshop will focus on putting together a solar kit and learn about how it operates. The second part of the workshop you will test your solar panel and explore the Energy Science trailer and the resources for additional projects and learning activities that the trailer supplies.

**Concurrent Session 3 = 11:00 – 11:45**

- **Leadership:**
  - CTE Advocacy and Resources from ACTE – Lisa Stange
    - What topics come up while networking with your professional affiliate colleagues? What issues in CTE/Education/Workforce/Policy keep you awake at night? What are some ways CTE can get our message across to stakeholders and policy makers? Get an overview of where ACTE stands on federal policy issues. We’ll take a deep dive into advocacy resources available to you through National ACTE.

- **Partnership:**
    - The Minnesota State Colleges and Universities System focuses on broadening pathways for all learners. Through expanded credit for prior learning (CPL) standards, policies and practices, higher education institutions and their community partners have opportunities to recognize learning from a variety of sources, such as workplace and community-based learning and industry certifications. Join this workshop to learn about models and guides for creating CPL crosswalks that award academic credit for course equivalencies gained through work and community learning experiences. Through hands-on activities, participants will share successes,
resources and strategies for overcoming challenges in partnership and pathway development. The discussion will place special emphasis on equity and inclusion in broadening CPL opportunities across communities.

• Teaching:
  o Teaching Online Marketing to Students: the Top In-Demand Workplace Skills- Laura Briggs
    ▪ We have an annual shortfall of 108 million jobs in technology that go unfilled due to lack of appropriate skills. Employers are demanding savvy workers with technical expertise especially in online marketing. How can career and tech educators make students aware of these opportunities and use them to support in and out of class projects to build confidence and skills? Learn about the top 24 most in-demand online marketing skills and how they can work in your classroom!

  o Solar Energy (~2 hour session)- Doug Kleeberger- Energy Center of Excellence
    ▪ Interested in Solar Power? The Energy Center of Excellence strives to incorporate energy learning within the classrooms. This workshop will focus on solar power. The first part of the workshop will focus on putting together a solar kit and learn about how it operates. The second part of the workshop you will test your solar panel and explore the Energy Science trailer and the resources for additional projects and learning activities that the trailer supplies.

Friday June 19:

Concurrent Session 4 = 8:40 – 9:25

• Leadership:
  o Leading Through the Equity Lens in Career and Technical Education – Dr. Sebastian Kapala
    ▪ Equity is a fundamental component of the Education system. Having said that, we have to ask ourselves, does our understanding of equity reflect our building practices? In this presentation, the participants will be introduced to fundamental components on how to cultivate a culture of change through the equity lens in Career and Technical Education.

• Partnership:
  o Partnerships in Meeting Perkins V Student Homeless Reporting Requirements - Dr. Jeffrey Fletcher and Vlad Bassis
    ▪ The Iowa Department of Education (IDE) established a memorandum of understanding (MOU) with the Institute for Community Alliances (ICA) to meet new the new Federal Perkins V homelessness data reporting requirement of state-level counts of community college students who may be experiencing home instability. This innovative partnership will (1) result in the collection and reporting of aggregate counts of students who participate in CTE community college programs experiencing homelessness and home stability for Federal and State requirements (2) enable Iowa’s community colleges to assess the program quality of their Career and Technical Education Programs (CTE) serving homeless students and (3) create the foundations for future joint research between the Iowa Department of Education and the Institute for Community Alliances.

• Teaching:
  o Engaging Instruction and Activities- Jessica Daberkow and Lindsey Brockberg
    ▪ Looking for different ways to engage students in the classroom? How to have groups interact amongst each other? Need something quick to fill some extra time? These
engaging activities might just be your answer! Come and participate in the different activities during this workshop. We will demonstrate or participate in a few. Each participant will go home with the materials to incorporate into your classrooms!

Concurrent Session 5 = 9:35 – 10:10

- Leadership:
  - Promising Directions for Personalized Learning in 2020 & Beyond – Sandra Adams PhD
    - This session will transform the way you think about personalized learning. We will demystify differentiation by examining how engineering, Disney, and technology models create potential for personalized learning—reaching far beyond a traditional CTE classroom. We will examine how these models approach collaboration, cooperation, self-regulation, and project design.

- Partnership:
  - Media Tours: Successful Planning and Conducting – Cindy Stover & Sandy Miller
    - Promoting awareness of career and technical education (CTE) is a critical component to CTE advocacy. There are many ways to raise awareness of CTE: hosting a school visit, contacting the media with success stories from CTE programs, or informing the public about how they can get more involved with their local CTE programs. A media tour, however, combines all of these approaches into one strong push. Hear from IL ACTE and IA ACTE the benefits of conducting a media tour in conjunction with ACTE.

- Teaching:
  - Tracking the Spread of Disease – Lab Aid Kits - Jessica Daberkow and Lindsey Brockberg
    - Contagious diseases can spread quickly through a population. If an infected individual mingles with healthy individuals, random contact can cause many more to become infected. This activity simulates the transmission of a contagious disease and the steps epidemiologists take to try to determine its source and limit its spread. During this session we will be doing a scenario within the session, each teacher will bring home kit at the conclusion of the session. The session will include scenarios to use within the classroom on spreading among humans, livestock as well as trackable spreading events such as invasive species or food poisoning. This also introduces the concept of exponential growth.

Concurrent Session 6 = 10:20 – 11:05

- Leadership:
  - Enhancing Middle Grades: Career Exploration and Development Through CTE – Dr. Katy Blatnick-Gagne
    - The middle grades represent a critical time for students as they make decisions about their future. Research shows that students exposed to careers starting in high school is too late. Perkins V echoes this sentiment and provides states with the opportunity to use funding for career exploration and development down to the 5th grade. This workshop will cover content discussed and created by Advance ACTE Middle Grades taskforce and share examples from the work being done in Iowa and around the country.

- Partnership:
  - Integrated Resource Team Model: A Person-Centered Approach to Support Youth with Multiple Barriers to Education and Employment – Cory Schmid
The session will provide an overview of the Integrated Resource Team (IRT) model and outline how the IRT model can be leveraged when working with in-school and out-of-school youth to support their education and employment goals.

Learning outcomes:
- Participants will learn how the Guideposts for Success can be used as a needs assessment tool in order to identify areas for youth development.
- Participants will identify ways in which the IRT model can be implemented in their respective fields.

The Integrated Resource Team Model has been identified by the U.S. Department of Labor as a best practices strategy in serving youth with barriers to education and employment, specifically youth with disabilities. An IRT is a key strategy to advance youth through their chosen career and education pathway. IRTs represent a youth-driven team whose members communicate insights and provide interventions to support a common employment and/or educational goal through a coordinated sequence of services tailored to assist youth achieve their goals. This session will highlight how IRTs are utilized in Workforce Innovation and Opportunity Act (WIOA) Youth programs in Minnesota.

- Teaching:
  - Teaching Electricity with Paper and PI- Jeff Henderson and Kim Dreaden
    - Electricity is utilized in numerous career and technical fields. Understanding how electricity can be utilized to create small projects at a young age can develop new interests shaping their career goals' and education. Engineers, electricians, robotic technicians, electronic technicians, and computer hardware technicians are fields students can pursue if they know about them. Paper circuits provides such education opportunities at young ages which appeals to all demographics since it is based as a STEAM project. Paper circuits can be the first step toward using educational tools like Raspberry PI and Arduinos later in their education to provide more exposure to career and technical career fields.