

Session 1:

Award Winners Best Practice Panel

This panel will include industry partner, secondary, and post-secondary educators recognized for outstanding contributions to promote technology education, and career awareness. Panelists will share their experiences in areas such as economic development, industry, education, administration and will present their best practices and significant contributions toward innovative programs in support of STEM, Engineering Technology, and industrial/manufacturing education in Florida.

Presenters: Danielly Orozco-Cole

Email: dorozco2@hccfl.edu

Best Practices for Industry Certifications in Middle Schools

We will share ideas on how to start the certification process in Elementary and Middle Schools, thus setting the stage for high student achievement towards college and career readiness. We will share our success selling this concept to school administration and providing professional development for teachers related to industry certification. We will also explore the "value" of a certification to a student in the areas of post-secondary articulation and workforce readiness. We explore the "value" of a certification to a student in the areas of post-secondary articulation and workforce readiness. We will cover topics related to how the certification fits into the school grading system in Florida and how we identify students that are candidates for certification in their middle and high schools to contribute to the acceleration point cell in the grading system. We will speak about methods we use to insure our teachers are adequately certified and trained in the areas that they will be asking their students to certify. We will give examples of positive and negative implementations and how we sell the program to the teachers and administration.

Presenters: Steve Plummer and Dee Chastain, Pinellas County Schools

Email: plummers@pcsb.org

Soft Skills - A Critical Component of the Pathway to Success

The lack of soft skills in the workforce is a nationally-recognized issue that impacts our business community and hinders our nation's economic potential. Employers continuously report extreme difficulty finding suitable candidates to employ, mainly due to a lack of soft skills. This highly interactive session will first engage participants with several soft skill activities and then, working groups, ask participants to develop a plan to teach an assigned soft skill. Participants will leave with the tools and confidence to create and integrate soft skills development activities directly into their current curriculum.

This session will explore WHAT soft skills are, WHY they are critically important, and HOW to develop and integrate soft skills into your curriculum. Come join us for an interactive discussion focused on designing activities that promote the development of soft skills to unleash the full potential of your graduates.

Presenter: Erik Christensen

Email: erik.christensen@southflorida.edu

Stress LESS Living – Finding the Elusive Work/Life Balance

Participants will learn strategies to help:

- Create a self-care plan and track progress toward healthy new habits
- Declutter your calendar and personal space to reduce stress
- Develop a healthy eating plan to combat the negative effects of stress
- Carve out opportunities for physical activity to reduce stress
- Use a Planner/Journal to keep yourself focused on priority goals in the 5 areas of a balanced life

Participants will leave with a personalized plan for living a healthier, stress LESS life.

Presenter: Vicki Huffman

Email: Huffman.vicki@brevardschools.org

Certiport: Full Pathway to a successful certification program

What's new to CAPE and what's new at Certiport. Industry certifications provide students a great way to distinguish themselves from the crowd by being able to validate their skills in today's competitive digital world. In this session you will learn about the full pathway to a successful certification program; Learn, Practice, Certify and how to implement this full pathway in your classroom for positive outcomes. We will discuss what's new with Certiport and the new certifications recommended for 2019-20 CAPE Funding List. We will also have our Curriculum Partners demo their learning products that map 100% to our globally recognized industry certifications and have a proven track record of increasing pass rates.

Presenters: Wyman Patten, Wade Freestone, and Mindy Howa

Emails: Wyman.Patten@pearson.com wade.freestone@pearson.com
mindy.howa@pearson.com

Apprenticeship Strand Presentation

Presenter: Richard "Ted" Norman, FLDOE

FLDOE State Supervisor Update

Agriculture, Food and Natural Resources; Government and Public Administration

Presenter: Kaitlin Vickers, FLDOE

CTE Data and Accountability Overview

This presentation will begin with a brief review of student success approaches which have value for CTE providers. Participants will receive a brief introduction to the concepts of student success, how to apply local level data to examine student success within the local institution, and potential tools and strategies that can be incorporated to promote student retention and credential attainment

Presenter: Paul Stonecipher, FLDOE

The Mobile STEM Lab

The Mobile STEM Lab is a 45-foot one-of-a-kind classroom that travels across Osceola County to serve multiple grade levels in the District's 50+ schools. The Mobile STEM Lab connects students to the future and exposes them to high-demand, high-wage jobs in the areas of science, technology, engineering, and mathematics. Various unit themes such as Agriculture, Aviation, Forensics – activities that require analytical and critical design thinking needed for the STEM careers of the present and future!

Presenter: Magen Palo

Email: Magen.Palo@OsceolaSchools.net

Tackling Technology for Today's Learners 2

Come learn new and exciting ways to engage your students through the use of technology in the classroom! This training will focus on different free internet resources that the everyday teacher can use to impact student engagement. We will highlight resources ranging from Canvas to Quizlet Quarterback. In this training you will learn how to turn those annoying cell phones into a valuable tool for learning! If you attended our session last year this year's training will offer training on brand new popular technology applications!

Presenter: Kathy Otte and Ashley Morgan

Email: Katherine.Otte@marion.k12.fl.us

LEGO® Education SPIKE™ Track Your Packages

The LEGO® Education SPIKE™ Prime Set is the go-to learning tool for grade 6-8 students in many CTE classrooms. Combining colorful LEGO building elements, easy-to-use hardware, and an intuitive drag-and-drop coding language based on Scratch, SPIKE Prime continuously engages students through playful learning activities to think critically and solve complex problems, regardless of their learning level. From easy-entry projects to limitless creative design possibilities, SPIKE Prime helps students learn the essential STEAM and 21st century skills needed to become the innovative minds of tomorrow... while having fun!

This session will utilize the LEGO® Education SPIKE™ Prime's "Track Your Packages" lesson. Participants will design, build, and code a package tracking system. Perfect for an

engineering, robotics, computer science, manufacturing, or other technical CTE class, this 90-minute deeper dive will show off many of the aspects of SPIKE™ Prime.

Presenter: Laylah Bulman

Email: laylah.bulman@LEGO.com

Cybersecurity - Creating a logical pathway for success

Session will discuss Florida and national standards and how districts and schools can create a successful cybersecurity program. Discussion will include resources for teachers to teach cybersecurity, student organizations to promote cybersecurity, job demand, and insight into national standards.

Presenter: Travis Wilde

Email: twilde@testout.com

Student success with SolidWorks & CAPE Certification

Student success with the SolidWorks CSWA, CSWP CAPE Certifications - Tools, tricks and tips that work.

Drawings will be held for free SolidWorks Licenses.

Presenters: Mike Leary, Scott Weller, Kim Brown

Email: scott@ttaweb.com