For Errors in this please contact
Sterling Miller
milles@danbury.k12.ct.us

CTEEA 2018 Workshop Sessions:

Workshop Session 1 8:15-9:15 AM

Drive the TI Innovator Mars Rover with your calculator!

Room #303   Presenter: *Ellen Browne*

Join this hands on session to learn how to "drive" the new Texas Instruments Innovator Rover with a calculator. TI Nspires will be available or you may use your own (Updated OS) 84CE. Scaffolded challenges will be provided. No coding experience necessary--come join the fun!

Automated Manufacturing

Room #304   Presenter: *Larry Fultz*

Larry Fultz, President of Leading Edge Industrial will present on the new HX 8610 CNC Milling Machine and the new HX710 CNC Turning machine. Both Machines sell for under $5,000.00 and include full machining capability not before seen at this price point. This presentation will discuss projects and implementations with CAD and CAM systems to bring Automated Manufacturing into all Classrooms safely and economically.

Technology Student Association (TSA) Information Session

Room #305   Presenter: *Jim Hutson*

Overview of Technology Student Association (TSA) –Affiliation/State and National Conference Information as well as TSA and STEM Performance Standards.

Electronics in the CTE classroom

Room #306A   Presenter: *Applied Inspirations*

Applied inspirations will be demonstrating current Learning by Doing student projects offered and conducting a discussion looking for feedback from teachers about concepts and projects that are being done in the electronics units along with possible future projects. Goals of this workshop are to develop a list of topics and projects to be incorporated into the current curricula across CT. Applied Inspirations is working to build a relationship with local CT schools to improve student learning through the infusion of electronics and hand-on learning.

Exploring the Ocean with Nautilus Live

Room #307   Presenter: *Shannon Donovan*

Learn about the Nautilus, and its exploration of submerged shorelines of California borderland! They will be investigating submerged caves that may have been occupied by some of the first humans to colonize this continent. Shannon will share her experience with the Nautilus and connect live to the ship for a demonstration.

Real-World Robotics for Middle School

Room #308   Presenter: *Tina Hurlbert*

Engage students in meaningful, hands-on, real-world activities using the Lego Mindstorms EV3 robot. Attendants of this presentation will get the opportunity to play with the ev3 robot and learn about some of the tasks that 8th graders in Strong Middle School in Durham completed.

Networking Session: Video, Graphics, and Communications

Room #309   Facilitator

Gather with your colleagues across the state for some conversation and competition. Share your successes and learn from others. Join other teachers to discuss video, graphic, or other communication classes.

For Errors in this please contact
Sterling Miller
milles@danbury.k12.ct.us

CTEEA 2018 Workshop Sessions:

Workshop Session 2 10:45-11:45 AM

Implementing LittleBits into any STEM classroom
Room #303   Presenter: - *Brenda Quinn*

Brenda Quinn, Director of Educational STEM Solutions, LLC will present on implementing LittleBits into any STEM classroom. The workshop will be a hands-on workshop working with LittleBits.

Freedom Pens
Room #304   Presenter: - *Kurt Dougan*

Freedom Pens are a way to show support to the men and women of our Armed Services. See how these beautiful pens are easily crafted on a lathe and how they can be used as a class project, community service project or an effective fundraiser.

Hands-on Digital Fabrication, Customize Your Own Drawstring Bag!
Room #305   Presenter: - *David Ciolfi*

You're invited to a hands-on experience of Roland's student/teacher-friendly Digital Fabrication software and devices! Try it for yourself by making your own customized drawstring bag during the workshop! Choose a graphic pre-made on a Roland print-cut device, weed it (you'll learn what this is if you don't already know), and apply it to your bag using heat transfer technology! Grab a friend and join us (your friend will be mad if they don't get to make a bag, too!)

Networking Session: Project Lead the Way
Room #306A   *Facilitator*

Gather with your colleagues across the state for some conversation and competition. Share your successes and learn from others. Join other teachers to discuss Project Lead the Way and similar courses.

Media Literacy and Spotting Fake News

Room #307   Presenter: - *Steven Patarini*

Vetting news sources, identifying bias, satire vs. fake news, how the repeal of the Fairness Doctrine changed media in the US., strategies to make students that think critically about media

Teaching "New School" Electrical Theory in an "Old School" Auto Shop
Room #308   Presenter: - *Michael Bono*

Changing the teacher's mindset of how to teach electricity to students by using "Hands on" methods while developing student understanding.

For Errors in this please contact
Sterling Miller
milles@danbury.k12.ct.us

CTEEA 2018 Workshop Sessions:

Workshop Session 3 1:30-2:30 PM

Demonstration and Discussion of Coder Z
Room #303   Presenter: *Ido Yerushalmi*

Ido Yerushalmi, President of Intelitek. will discuss Coder Z and include a demonstration on this exciting online coding challenge. The presentation will include information on a free competition for the state of Connecticut as well as information on how to bring the product and curriculum into your classroom year round.

Laser Engraving
Room #304   Presenter: *Michael Ogilvy*

Laser Engraving- Michael Ogilvy, Director of Educational STEM solutions, LLC will review the CO 2 and Fiber Laser Cutter Features and how to use a laser engraver effectively in a STEM program.

edTPA and Teacher Licensure
Room #305   Presenter: *Greg Kane*

edTPA is a performance-based, subject-specific assessment and support system used by more than 600 teacher preparation programs in some 40 states to emphasize, measure and support the skills and knowledge that all teachers need from Day 1 in the classroom. All New Connecticut teacher candidates must pass edTPA in order to qualify for a teaching certificate starting 2019.

Networking Session: Middle School
Room #306A   Facilitator

Gather with your colleagues across the state for some conversation and competition. Share your successes and learn from others. Join other teachers to discuss Technology and Engineering Education in a middle school classroom.

A discussion on CT's new Cyber Privacy Laws
Room #307   Presenter: *Bill McDonough*

Due to CT's new Cyber Privacy laws there are many changes to what online technologies can be used and how we can use them. Join Bill McDonough for a discussion on the impact and implementation of these laws.

My journey publishing a Book that teaches STEM Concepts through Augmented Reality
Room #309   Presenter: *Sterling Miller*

Trying to emulate life long learning to his students and wanting to increase enrollment in Technology Education Classes, Educator Sterling Miller decided to write and self publish a book that uses Augmented Reality (AR) to teach STEM principles presented in the book. This workshop goes through the journey of self-publishing and how it has enhanced one CTEEA Classroom. There will be a demonstration on how use Zappar an Augmented Reality tool. Each participant will receive a free copy of the book.