



NCTEDE Annual Conference
Charlotte, NC March 13-15, 2019

Wednesday, March 13

12:00-1:30pm Registration – Conference Center Lobby

2:00-5:00pm Charlotte Motor Speedway Tour (Meet in Lobby at 1:45 to carpool)

Thursday, March 14

7:00 am Continental Breakfast @ Word Fire Grill - Conference attendees staying at GWL only

7:00 am Registration – conference center lobby

7:45 am Meet in conference center lobby to begin tours. Transportation is provided for conference attendees via charter bus.

8:00am Depart Great Wolf Lodge

9:00am Lucky Clays Farm Tour

Lunch K & W Cafeteria – Everyone pays their own way

12:40pm Laser Quest STEM Tour

3:30pm Bank of America Stadium Tour

5:30pm Return to Great Wolf Lodge

Friday, March 15

7:00 am Continental Breakfast @ Wood Fire Grill - Conference attendees staying at GWL only

9:00 am Breakout Sessions @ Speedway Club - 5555 Concord Pkwy South, Concord

Time/Location	King Ballroom	Queen Ballroom
9:00-9:45am	OnShape – The free web based CAD Software	PLTW
9:50-10:35am	3D Printing – Using Your Prints in Projects	Major Choices: Influences on First-Generation College Students When Selecting an Engineering-Related Major
10:40-11:25am	Project “Show and Tell”	Undergraduate and Graduate Degrees in our Field; New Insights for Future Teachers
11:30-12:15pm	Digital Design Animation and Game Art & Design Updates	TSA Updates
12:30pm	Buffet Lunch, DPI Update and Closing Speedway Club Restaurant	

****Maximum of 14.5 hours for CEU's will be awarded at the end of conference.**
Attendance Certificates will be emailed to you by the end of the day on Monday, March 18.

NCTE Annual Conference - Breakout Session Descriptions

Time	Session	Presenter	Description
9:00-9:45am	OnShape – The free web based CAD Software	John Butler, McMichael High School	OnShape is a power web based CAD software that is totally free for students and teachers. It is similar to SolidWorks and Inventor but works on Windows, Mac, Chromebooks, etc. This session will teach you the basics in parametric modeling with OnShape.
	PLTW	Natalie Norman, Hanes Magnet Middle School	Have you had trouble implementing new curriculums in your PLTW school? Come participate in a roundtable discussion about how your school handles PLTW updates to curriculums. This session will provide examples about how Hanes Magnet School has handled updating curriculums but also ask for questions of how other programs have handled the transition to new projects, programs and equipment.
9:50-10:35am	3D Printing – Using Your Prints in Projects	John Butler, McMichael High School	Ready to learn how to use 3D Printing in the classroom for projects? This session will show examples of 3D printing being used in Rockets, CO2 Dragsters and wind turbines. This session goes hand in hand with the Onshape session but you don't have to attend both.
	Major Choices: Influences on First-Generation College Students When Selecting an Engineering-Related Major	Deidre Kelly, NCSU	Deciding what college major is the right fit is a complex process which may be influenced by several variables. This burden often lays heavy even on the most confident and self-aware adolescents. Previous research shows parents have a significant influence on students' perceptions about college and major choice, but in the absence of parental experience at a four-year college, first-generation college students often turn to teachers, administrators, and counselors for assistance and advice. Understanding this dynamic is proving critical as patterns are emerging showing many students who enter college as engineering majors change their majors to technology, engineering, and design education (TED) programs. While beneficial for TED programs, the transition puts students behind in their curriculum plan, increasing the time and money they spend for college. In this presentation, we will discuss the influences of teachers, administrators, and counselors on students seeking engineering-related majors and how we can better prepare students for these post-secondary pursuits.

10:40-11:25am	Project Show & Tell	John Butler, McMichael High School	All participants bring cool/exciting/amazing projects they have done with your students. Physical examples or pictures/videos are great! This is a “Show and Tell” where everyone can bring something.
	Undergraduate and Graduate Degrees in our Field; New Insights for Future Teachers	Nolan Fahrner and Kevin Sutton, NCSU Jerianne Taylor, Appalachian State	Information on degrees, scholarships and overall Technology Education program information to help grow the future teacher.
11:30-12:15pm	Digital Design Animation and Game Art & Design Updates	Nancye Hart, Curriculum Consultant	All of the latest updates on Digital Design Animation (replacement for Scientific & Technical Visualization) and Game Art & Design curriculum changes including timeline for release and more.
	TSA Updates	Jerianne Taylor, NCTSA Advisor	What’s new in TSA? What questions do you have about States in April? Who has questions about LEAP? Want to start a new chapter but don’t know how? Jerianne will answer all of your TSA questions during this session.
12:30pm	Lunch, DPI Update and Closing	Brian Moyer, NCDPI TED Consultant Steven Thorne, NCTEDE President Nancye Hart, Awards Committee	Buffet Lunch DPI Update from Brian Moyer NCTEDE Update from Steven Thorne NCTEDE/ITEEA Awards Conference Closing