



## Engineering & Technology Education in a Time of Uncertainty Thursday, April 9, 4:30 p.m. EDT

- 16:36:50 **From Snehal Bhakta** : <https://www.cyberstates.org/>
- 16:39:32 **From Snehal Bhakta** : Snehal Bhakta, CTE Administrator, CCSD, Las Vegas Nevada. email: [bhakts@nv.ccsd.net](mailto:bhakts@nv.ccsd.net) twitter: @Snehalstocks
- 16:40:22 **From Jay Davis** : Jay Davis [jadavis@glca.k12.in.us](mailto:jadavis@glca.k12.in.us)
- 16:40:26 **From J.R. Drummond** : [john.drummond@jefferson.kyschools.us](mailto:john.drummond@jefferson.kyschools.us)
- 16:41:54 **From Amy Kardel** : Amy Kardel, VP Strategic Workforce Relationships, CompTIA, [akardel@comptia.org](mailto:akardel@comptia.org) twitter: @amychicgeek
- 16:44:01 **From Richelle Krumsiek** : Richelle Krumsiek Pre-engineering instructor, Tulsa Tech center Tulsa Oklahoma [Richelle.krumsiek@tulsatech.edu](mailto:Richelle.krumsiek@tulsatech.edu)
- 16:50:43 **From Stephen DeWitt** : ACTE Distance Learning Resources can be found here: <https://www.acteonline.org/professional-development/opportunities/distance-learning-resources/>
- 16:50:46 **From Buzz Wood** : For JR- Moving forward how do you think CTE Instructors teach kinesthetically (hands-on) when students are homebound, since you can't get devices or equipment to each student who's home?
- 16:52:43 **From Buzz Wood** : It's more about "build it as you fly"
- 16:54:32 **From J.R. Drummond** : Buzz, obviously not having equipment and face to face education isn't ideal, but I've focused on connecting students to new content and maybe challenging content we can't cover during class. The fortunate thing during this time a lot of the resources are free.
- 16:55:47 **From Stephen DeWitt** : Regarding employability skills, ACTE has a partnership with Accenture's Skills 2 Succeed Academy. You can find a password for the free modules they have on career planning - many which are related to employability skills - here: <https://www.acteonline.org/s2s/>
- 16:56:08 **From Amy Kardel** : Our free offer for ITFundamentals+ CertMaster Learn is here on our home page: <https://www.comptia.org/home>
- 17:01:32 **From Stephen DeWitt** : As ACTE works on federal advocacy, we are continuing to seek funding needs that CTE practitioners have. Please share any specific funding needs other than internet connections (we're working on that one). Thank you!
- 17:03:38 **From Sid Laub** : A few different resources: camInstructor is allowing free subscriptions for the rest of the school year in CAD/CAM. Makerbot is running a super special for online 3D Printing and Design Thinking. 30 students and 2 teachers for \$450. Makerbot is also running a virtual classroom promotion for teachers to print items from Makerbot print

for their students. Many of these printers are being shipped directly to the teachers' homes to be used during this time.

- 17:04:18 **From Brian** : Panelists, what role do you think "soft skills" play in your curriculum and how are you teaching those right now?
- 17:05:13 **From Michael** : GIS-ESRI - Startup Generation Entrepreneurship - Web Creation and Design - Career Exploration
- 17:05:16 **From David Richardson** : Vex Robotics has introduced their Vexcode VR - free - simulation for coding.
- 17:05:57 **From Buzz Wood** : To the panel: How would you suggest that companies who have physical products (hardware) think about how to provide those products to students at home so they can interact with them and continue their learning?
- 17:06:48 **From Snehal Bhakta** : "soft skills" "career skills" "success skills" are key to the work we do in CTE. We have it integrated in all of our curriculum in Nevada and test on it.
- 17:07:13 **From Lallie McKenzie** : Richelle - Is there a way that you could share your lesson plans for Engineering? I really like the porosity idea.
- 17:07:24 **From Snehal Bhakta** : Good article to get soft skills in CTE classroom...  
<https://www.realityworks.com/5-great-ways-to-bring-soft-skills-into-the-cte-classroom/>
- 17:08:00 **From Stephen DeWitt** : A panelist on one of our other webinars said they are providing students options on several assignments to choose from in an effort to provide them some sense of control in this situation.
- 17:09:17 **From Richelle Krumsiek** : Link to my porosity lesson:  
<https://oerbhomerom.com/virtual-classroom>
- 17:10:29 **From Richelle Krumsiek** : Great website for soft skills lesson [www.JA.org/Tomorrows](http://www.JA.org/Tomorrows)
- 17:11:41 **From Snehal Bhakta** : The website our State uses for "soft skills" etc... <https://cte-escr.org/>
- 17:12:48 **From Amy Kardel** : Teachers are heroes in this pandemic!
- 17:13:45 **From Stephen DeWitt** : Speaking of States, remember that States and school districts will have requirements about what resources can and cannot be used. Also, don't forget about FERPA and other regulations.
- 17:14:10 **From Lallie McKenzie** : "Nobody is throwing resources at doctors." That is fabulous! Thank you, Richelle, for the laugh and perspective.
- 17:15:33 From stevenkeblinsky : I feel a lot of the resources being thrown at us are disguised sales pitches
- 17:18:31 **From Sid Laub** : Just as you, as teachers, are trying to survive, so are we all. A sales pitch only ever sticks when it is a tool that is useful, from a resource that is credible!
- 17:18:49 **From Michael** : Totally agree with Snehal - be cautious about providing vendors and resources that will be used to address the here and now -- what can be sustained in the long haul! Should be implemented into a long-term Ed. Tech Plan
- 17:20:01 **From Sid Laub** : Deal with those who have been there over the years. Those that provide service as well.
- 17:20:24 **From stevenkeblinsky** : I agree Sid don't stop trying to sell if its good we will buy
- 17:22:41 **From Stephen DeWitt** : ACTE is reviewing resources and placing on our website but you will also want to vet. We have specific resources for ETED related fields. You can find CompTIA's resources and all of the others here:  
<https://www.acteonline.org/professional-development/opportunities/distance-learning-resources/>
- 17:22:48 **From Ashley Acuff** : Piggybacking off of what our panelists are saying about teachers being overwhelmed with resources... I'm the Assistant Program Director for our Engineering and Technology cluster. Teachers approached me about making a website

that is a hub of everything - bell starters, articles, research, activity ideas, project ideas... Because sifting through the 200+ resources was overwhelming. This is what I made for Colorado educators: [www.bit.ly/colorado-stem-network](http://www.bit.ly/colorado-stem-network)

- 17:23:31 **From Stephen DeWitt** : Thanks for that great Colorado offering and for all of the resources being shared!
- 17:25:03 **From Michael** : Gotta run, thank you for all the information, here in New Mexico, being a rural state, face many IT challenges - all this information is very helpful - please reach out: [marchibeque@mastrategies.com](mailto:marchibeque@mastrategies.com)
- 17:25:48 **From Ashley Acuff** : My Program Director hosted "Drink & Think" and "Coffee & Conversation" as a way to collaborate and support each other. They were fun and I also agree that this idea will continue after this pandemic
- 17:28:37 **From Snehal Bhakta** : @Ashley "Virtual Happy Hours" are the best. No need to call Uber/Lyft... :-)
- 17:28:43 **From Mark Hansen** : I like a free program for smart homes from Isquared. I start by programming a thermostat with a set point and an internal temperature sensor. They sell the hardware that is a programmable logic controller for about a hundred dollars. They are a Canadian company that I have used for years. The software is called Control Core Basic.
- 17:30:46 **From Chip Taylor** : I see a lot of our CTE resources, equipment and facilities becoming more like libraries for more students to use on a regular basis to learn skills because of the interest generated in CTE concepts through this pandemic.
- 17:32:23 **From Jay Davis** : Please reach out to our panelists. Snehal, Richelle, and JR are all members of the eTED Division Policy Board and I thank them for their time today. Also a big thanks to Amy from CompTIA for joining us today and for being a partner for ACTE. I also do not want to forget the ACTE staff for their. Hope this was a positive experience for all.
- 17:32:37 **From Jill Parry** : I scheduled an online meeting with one of my classes. About 30 minutes in, I got a text from one of the students in the class saying she was in the parking lot and no one else was there. Where were we? I simply sent back "Online"
- 17:33:11 **From Joshua Hjelmberg** : @Jill Parry We have had a couple of students do that
- 17:34:34 **From stevenkeblinsky** : HAHAHAAH i just started that last night
- 17:35:00 **From Snehal Bhakta** : @Jill love that story...
- 17:36:09 **From Buzz Wood** : I've watched the final Star Wars Movie too many times!!
- 17:38:06 **From Frederick Hoy** : A big thank you to everyone who helped put this together for us today. Your time was very much appreciated. Fred Hoy Drafting & Design Tech Instructor - Keystone Central CTC - Pennsylvania
- 17:39:29 **From Mark Hansen** : Thank You, from Idaho
- 17:39:52 **From Karen Wells** : I am working on cutting out a chunk of time without school-related tasks. It's hard enough when everything is "normal"!
- 17:39:53 **From Jill Parry** : Thank you, Everyone. Good session!
- 17:40:40 **From Zenaida.Barillo** : Thank you all. You all take care, too.