

Information Technology Cluster PLC Meeting

5:00-6:00 pm Virtual Meeting

Join Zoom Meeting   
<https://ccsnh.zoom.us/j/3256889866>

**Agenda**

**Attendees**: Dan Mack, Norm Mesa, Nick Stolos, Sean Kenney, Deb Minassian

***Introductions:***

CTE PLC Github portal is now open and available:

<https://github.com/debminassian/CTE-IT-Career-Cluster.git>

*I believe that if you want to be a contributor, I have to add you as a collaborator. Is there anyone who does not want to be added as a collaborator?*

*Other possible options is for each member of the group to create their own branch. That way we are connected as one group, however each of us can manage our own branch. Deb will add Norm, and Dan as collaborators. We should create a plan of action for when someone leaves the group. We don’t want to lose content or access. Suggestions can be submitted at any time.*

***New Members:*** *If you know of any new CS/IT teachers that you think would benefit from this group, please forward their names to Deb Minassian (*[*d.minassian@sau11.org*](mailto:d.minassian@sau11.org)*) to be added to the list.*

***What’s happening CS:***

*This is Computer Science Week!*

*Code.org professional learning is now accepting applications (full scholarships)*

[***Code.org's Professional Learning Program***](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.com%2Fv3%2F__https%3A%2Fcode.org%2Feducate%2Fprofessional-learning__%3B!!Oai6dtTQULp8Sw!QjBZAIR2HAjQHJxi17z-mnZsZW75QUb9SHomvEDNy17FvaEAlVVdFvmf5KCxLJQoC6vQP5I_vq2kdVXU8Ueg8ptFzjA%24&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C9db28f7613694232a0b108dad2dd469a%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638054145083726826%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=uR4gI4wQCeLJpyX40f1LM8iUzrfr4LKbQTFzeg6%2B8NQ%3D&reserved=0)

***Courses for High School: APCS-A, APCS-Principles, CS Discoveries***

The Aerospace Robotics Competition for high school students – Registration is open.

Schedule, cost, and registration: [NE — Aerospace Robotics Competition (aeroroboticscomp.com)](https://www.aeroroboticscomp.com/pagene)

*UNH IOL Lab – Virtual Information Session – January 19th- 4:00-5:00 pm*

*Link to sign-up:* [*virtual info session*](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Funh.zoom.us%2Fmeeting%2Fregister%2FtJEqdu6hqDMqGdOYzsZ9MiSHrDF62uG5ndmL&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C48c0f8a10b0a473ba47408dad2e5f905%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638054183914774601%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=COQfhbg9J7BeCLYHTXnPcqrF%2F6cUmStTHhrUcsEfOqg%3D&reserved=0)

[SANS Holiday Hack](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.sans.org%2Fmlp%2Fholiday-hack-challenge%2F&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C1c59c05135df487aae8808dad79f83db%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638059377424302322%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=e3fwehwBBcedJ%2BneCVbAIAyAe0yM%2Be2UcutORw6F%2FEM%3D&reserved=0) - Join the global cybersecurity community in its most festive cyber security challenge and virtual conference of the year. The SANS Holiday Hack Challenge is a FREE series of super fun, high-quality, hands-on cybersecurity challenges. The SANS Holiday Hack Challenge is for all skill levels, with a stellar prize at the end for the best of the best entries

***Other Topics:***

*Cyber Patriot – Deb shared information about managing a Cyber Patriot team. Nick was asked by ROTC teacher to start a team.* [*https://www.uscyberpatriot.org/*](https://www.uscyberpatriot.org/)

*Deb made some suggestions and is available to help with getting started. Deb has been coaching the Dover Cyber Wave team for five years. There is a lot to navigate, however there are a ton of resources available. Reach out for more information:* [*d.minassian@sau11.org*](mailto:d.minassian@sau11.org)*.*

***Web site*** *– Nick is working on a game website and is having difficulty with the school’s firewall/internet access. Norm made a suggestion to consider an intra-net. Hosting a web server in the classroom. Students can access the web server, play games and have the dual role of storage and access to course materials. One way you can work around the firewall/filtering issues.*

*Sean mentioned that he has configured a DHCP router off the school’s BYOD network.*

***IT Essentials*** *- Sean asked a question when the new Version 8, IT Essentials would be available.*

*Deb* checked with Net Academy and they are still promising that it will be out by the end of the year.

IT Essentials 8- Bridge course is now available.  With the expiration of the A+ 220-1001 and 220-1002 certification exams planned for 20 October 2022, it is necessary to leverage bridging material from this course together with the IT Essentials 7 course to prepare your students for the new A+ certification exams: 220-1101 and 220-1102.\*\*

This is the work-around until IT Essentials v.8 is live.

***Cyber Start*** *– another learning resource for learning Cyber Security. The link to the site is:* [*https://cyberstart.com/*](https://cyberstart.com/)*. Cyber Start offers cyber security training using real-world hacking challenges and puzzles. There is a “free” version and a paid version that is $99 Euro (about $104 USD).*

***DOE Program Evaluation -*** *Mack shared that he had a meeting with the DOE for a program evaluation. The DOE is looking for compliance, and recommended certifications/achievements for Programming.*

*Norm – [mentioned Frank Beard(?) waiting for information] – Precision exams https://www.youscience.com/newhampshire/*

[*www.youscience.com*](http://www.youscience.com)

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*Deb – mentioned IC3 certifications –* [*https://certiport.pearsonvue.com/Certifications/IC3/Digital-Literacy-Certification/Certify/IC-PHP-Developer-Fundamentals*](https://certiport.pearsonvue.com/Certifications/IC3/Digital-Literacy-Certification/Certify/IC-PHP-Developer-Fundamentals)

*Cisco NetAcad.com - Programming courses are available through* [*www.netacad.com*](http://www.netacad.com)

*Here is a list of the programming courses available through Cisco Netacad.*

[PCAP: Programming Essentials in Python](https://www.netacad.com/portal/resources/course-resources/programming-python/)

[Python Essentials 1](https://www.netacad.com/portal/news/i/python-essentials-1-on-skills-for-all)

[JavaScript Essentials 1 (JSE)](https://www.netacad.com/portal/resources/course-resources/javascript-essentials)

[CLA: Programming Essentials in C](https://www.netacad.com/portal/resources/course-resources/programming-essentials-in-c/)

[CPA: Programming Essentials in C++](https://www.netacad.com/portal/resources/course-resources/programming-essentials-in-c-plus-plus/)

[CLP: Advanced Programming in C](https://www.netacad.com/portal/resources/course-resources/programming-essentials-in-c/)

[CPP: Advanced Programming in C++](https://www.netacad.com/portal/resources/course-resources/programming-essentials-in-c-plus-plus/)

***How do we keep students engaged learning topics in CS?***

*Norm suggested Parallax with micro bits for Security.* [*https://www.parallax.com/*](https://www.parallax.com/)

*Parallax offers some great, fun options. If you write a letter to the CEO, letting them know how you will use their products, they will send you a box of “goodies” to try.*

*● Next Meeting Date : January 3, 2023*

*● Adjourn Meeting: 12/5/2022 at 6:08 pm*