

Information Technology Cluster PLC Meeting

March 7, 2023

5:00-6:00 pm Virtual Meeting

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

**Agenda**

**Attendees**: Norm Messa, Deb Minassian, Carl Anderson, Gordon Reynolds, Mark Lambiase, Nick Stolos, Dan Mack, Sean Kenney

**Introductions:**

CTE PLC Github portal is now open and available:

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

**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 in CS:***

**Learning Blade for Teaching Intro to Coding - Virtual Event**

**When**: Thursday, March 23 at 3:30 PM

**Where**: Zoom

**What**: Explore this free statewide resource - that includes an easy way to introduce middle school students to coding and teach a broad range of CS concepts. The course contains 20 hours of online and offline student learning including robust teacher lesson plans. Online lessons will include topics such as the role of computers in society, concepts of basic algorithms, text-based code elements including statements, variables, and comments, common hacking methods and means for combatting them, and many more.

[**Register Here**](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.com%2Fv3%2F__https%3A%2Fus06web.zoom.us%2Fmeeting%2Fregister%2FtZUvde6prjkuHdWLvwxwGKtlc0aSLGAupm93__%3B!!Oai6dtTQULp8Sw!Uc6UaPc0_ghKJ8-aIN-4FTev3ZddwBSaIE460EJBM_aVH_TYzraiuLyZWfv0rcJ1Nwtyis90-2-NWwltZIuqFRjiENU%2524&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C820a553bf798402dad6d08db1f3a3176%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638138107054124279%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=3kePdY4wm641bZmzMLeqZWzWkKBM5%2F51aovQtq%2FAEfs%3D&reserved=0)

**Cost**: Free  - Learning Blade is a free resource provided in partnership with the NHED [(see press release)](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.education.nh.gov%2Fnews%2Fschools-receive-free-access-stem-and-computer-science-resources&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C820a553bf798402dad6d08db1f3a3176%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638138107054124279%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=S7vCAmKxT5mp056jbqQPhOA9xP6W7zd9wipnupVfLrM%3D&reserved=0)

**For Best results -** Sign up for your free account in advance - [www.learningblade.com/NH](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.com%2Fv3%2F__http%3A%2Fwww.learningblade.com%2FNH__%3B!!Oai6dtTQULp8Sw!Uc6UaPc0_ghKJ8-aIN-4FTev3ZddwBSaIE460EJBM_aVH_TYzraiuLyZWfv0rcJ1Nwtyis90-2-NWwltZIuqrDAFFws%2524&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C820a553bf798402dad6d08db1f3a3176%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638138107054124279%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=r8PjxvGA3UL%2B1QuSIwk4qQozSCf%2Fr4oOdTiJWv%2FDjSs%3D&reserved=0)

**Learning Blade for Career Exploration - Virtual Event**

**When**: Tuesday, March 28 at 3:30 PM

**Where**: Zoom

**What**: Explore free statewide resource - Learning Blade® a system of interactive online lessons, teacher lesson plans, and projects for 5th to 9th graders, where students learn about high-demand STEM, CTE, and Computer Science careers while reviewing math, science, English, and social studies standards.  Learn how to use the over 400 online lessons in human-centered "Missions" to explore exciting careers. Explore the 100+ hours of teacher also lesson plans that support innovative project-based learning and classroom activities using common materials.

[**Register Here**](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Furldefense.com%2Fv3%2F__https%3A%2Fus06web.zoom.us%2Fmeeting%2Fregister%2FtZMpf-mgpjwjE9GT8sP7_higNvCYR4jS_ujt__%3B!!Oai6dtTQULp8Sw!Uc6UaPc0_ghKJ8-aIN-4FTev3ZddwBSaIE460EJBM_aVH_TYzraiuLyZWfv0rcJ1Nwtyis90-2-NWwltZIuq7wcKHJs%2524&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C820a553bf798402dad6d08db1f3a3176%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638138107054124279%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=F93oVbusmfXpjJaT3YJpGMoGE50IxOcLelO3mPH%2B3Js%3D&reserved=0)

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The NH regional Young Inventors Program is a K-12 invention program to inspire youth in engineering. It is literally K-12, with competition divisions at all grade levels.

**There has been an unanticipated, but welcomed, surge in entries this year and the program has high-need for additional judges**.

The program is all day Saturday on March 18th at UNH in Durham. Anyone with a STEM background above junior-level in college is eligible to be slotted as a judge.

STEM teachers are encouraged to participate. **Please contact me as soon as possible,** [**steve.hale@unh.edu**](mailto:steve.hale@unh.edu)**, if you can volunteer to be a judge for this year's program.**

Winners of divisions advance to the National Invention Convention.

Hello,

I am writing from the UNH InterOperability lab to see if you or someone you know would be interested in helping teach a UNH tech camp, TechVentures, this July. Each camp is 1 week long (we can host 1 or 2 week back-2-back) this is a paid position with an activity stipend and daily lunch is included.

In years past we have done a *train project* providing students with software, hardware, and networking overviews (with support from IOL undergraduate students) and they code and create projects to help and operate the train. We have most materials and lesson plans to provide!

Please let me know if you are interested or could help pass the news along! We are ideally looking for someone who has experience teaching and working with students.

Thanks!

Mara

Mara Johnson

Communications & Brand Manager

UNH InterOperability Laboratory

[21 Madbury Rd, Suite 100, Durham, NH 03824](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.google.com%2Fmaps%2Fsearch%2F21%2BMadbury%2BRd%2C%2BSuite%2B100%2C%2BDurham%2C%2BNH%2B03824%3Fentry%3Dgmail%26source%3Dg&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C5f60577fd80a4d60396c08db1aa33260%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638133060454664953%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=iLc141loI0b26L0roCNhL7Rp4GcgI9GjArsE5zMUFfE%3D&reserved=0)

[mara.johnson@iol.unh.edu](mailto:mara.johnson@iol.unh.edu)

[www.iol.unh.edu](https://nam11.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.iol.unh.edu%2F&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C5f60577fd80a4d60396c08db1aa33260%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638133060454664953%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=G5tFnZja3OOfgD5pZQ6V0tvSbn0vOOvGXIejvCZT9lI%3D&reserved=0)

***NEW INFORMATION:***

Skills USA – Dan asked if anyone is doing skills. We discussed what Skills USA is and the different sections that IT can participate. Coding, networking, telecommunications.

Cyber Patriot – Sean mentioned that he was going to do Cyber Patriot. Deb will do a presentation during the April meeting.

*ITPROTV – Has a Cyber Patriot – Computer and Network Information. Sean has used them in class and shares that they are informative and entertaining.*

*Sean’s students are doing their final project. The students are doing better than they have in the past. There seems to be a phenomenon going on. The students are finishing projects faster than in the past. Sean and Norm believe kids are glad to be back in school.*

*Trends we are seeing in the classroom: many students think there is no work after they finish the curriculum. Having projects to do after the curriculum work is done.*

*Norm described a NASA project for the McAuliffe Center that his students are working on when they are finished with their curriculum work.*

*Other projects were PC repair, classroom to-do list, ILE (Individual Learning Endeavor) projects will help to keep students busy.*

*How to score hands-on projects – Deb has a hands-on project Rubric she will share to GitHub*

*ChatGPT, Dolly 2, AI applications, Norm shared an AI search “Portrait of an Educator”. It produced an image. There was a general discussion about copywrite. Dan shared that since it’s not human generated, images cannot be copywrited.*

*Mark shared that he is using ChatGPT to resolve some of the information in Gordon’s curriculum. Mark explains that it is giving him a pathway to the solutions he is looking for.*

*Gordon shared some solutions to students cheating. Mack doesn’t believe it’s not an issue with coding. English is a potential problem because students can use the AI for writing stories. It makes up citations.*

*Nick translating code to Java and is using ChatGPT to help convert the code. Jobs won’t go away. New jobs will be created and some jobs will change as AI becomes more prevalent.*

Dover High School is now a Cisco Certification Test Site. Dover CTC will offer Cisco certification (proctored) exams. Contact Deb Minassian

Cisco Proctoring information to Sean

***Last Month’s Topics/Updated:***

***What are your schools doing for this year’s PD/PLC Work?***

***Dover****: New Course Mappings using a UBD Curriculum Planning template*

***SST*** *– Portrait of an Educator – Window 1 – Developed a Unit on Programming Micro Controllers, Window 2 – Cyber Security, Window 3 – Computer History*

*Based on Goals: Mindset, is one example. Each “Window” is observed by a peer, parent, or anyone that the teacher chooses.*

***Spaulding*** *– Learning Walk – Review the draft of a portrait of a graduate.*

***Littleton –*** *Carl shared that they are reflecting**about how cultural thinking affects curriculum.*

***Hudson*** *– Nick is part time and exempt from PD activities.*

***Credentialing:***

*NH DOE Lists IT Credentials only, it does not list any certifications for CIS. The list is redundant when it comes to Cisco certifications and is missing programming, linux and other certifications and course completion.*

A+ Certification

Cisco Certification

IT Essentials Comp TIA A+

CCNA Certification

NET+ Certification

Microsoft Certified Professional (MCP)

IC3 Internet computer Core

NDG – has Linux Certifications

***New Topics for Future Meetings:***

*Deb – Cyber Patriot Presentation*

*● Next Meeting Date: April 4, 2023*

*● Adjourn Meeting: 6:05 pm*