

Information Technology Cluster PLC Meeting

June 6, 2023

5:00-6:00 pm Virtual Meeting

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

**Agenda**

**Attendees**: Deb Minassian, Jeff Curlis, Norm Messa, Mark Lambiase, Carl Anderson, Dan Mack,

**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:***

**CTE Summer Conference:**

NH CTE 2023 Summer Learning Series at Manchester Community College

August 7 and 8 – 9:00 am – 4:00 pm

**Registration**: [https://www.eventbrite.com/e/nh-department-of-education-cte-summer-learning-series-for-2023-tickets-498928096367](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.eventbrite.com%2Fe%2Fnh-department-of-education-cte-summer-learning-series-for-2023-tickets-498928096367&data=05%7C01%7Cd.minassian%40dover.k12.nh.us%7C2c3f1ac62b8f4861977308db5e0f0ead%7Cbe1baf9c41904dcb8eb15ffa7262c564%7C0%7C0%7C638207191027196833%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=idstzOygxihAqlORTobA4Xli1%2FtuEkZSBCxE7kR1SH8%3D&reserved=0)

We will have cluster meeting time at the conference.

***AGENDA:***

Cluster Goals for Next Year –

1. Improving computational thinking and academic integrity.

Keep projects challenging.

Steps: sharing projects that involve computational thinking. The mathematics of space. Microbit programming – javascript and python. (norm)

1. Sharing projects on how we are doing what we are doing with competency based teaching/learning. Dan shared a document on competency based education that was created for the teachers at Kennett High School. This document was intended to show the “other side of the school” how to implement competency based learning.
2. How we answer the question for students: How are we going to use what we are learning? What can we do, as teachers, to show/demonstrate to students how they can implement what they are learning in real life. Is it internships? Work/study? Guest speakers? Field trips? What innovative things can we do to help students understand that what they are learning is a life skill?
3. Norm mentioned the book by W. Edwards Deming: Total Quality Management

There are 14 points that he mentions in his book that we can implement in our classrooms:

1. Create constancy of purpose for improving products and services.
2. Adopt the new philosophy.
3. Cease dependence on inspection to achieve quality.
4. End the practice of awarding business on price alone; instead, minimize total cost by working with a single supplier.
5. Improve constantly and forever every process for planning, production and service.
6. Institute training on the job.
7. Adopt and institute leadership.
8. Drive out fear.
9. Break down barriers between staff areas.
10. Eliminate slogans, exhortations and targets for the workforce.
11. Eliminate numerical quotas for the workforce and numerical goals for management.
12. Remove barriers that rob people of pride of workmanship, and eliminate the annual rating or merit system.
13. Institute a vigorous program of education and self-improvement for everyone.
14. Put everybody in the company to work accomplishing the transformation.
15. AI – ChatGPT, Bing, Google, etc., how we can embrace AI, AI is now embedded in Networking, and other aspects of Computer Science.

Jeopardy/Watson: <https://www.youtube.com/watch?v=4svcCJJ6ciw&t=81s>

1. Cell phone policies in school.
2. Tardies and absences and how best to implement discipline in CTE. More than 10 absences and you are out (for example).
3. How can the CTC better coordinate the schedule between sending schools. Many hours of instruction is missed because of different vacations, different TWDs, etc. This year the biggest disconnect was the vacations. Some had the third week in February while others had the 4th week of February. That is two weeks of missed classes for some.
4. Computer Science pathways.
5. Bringing CS to elementary and middle school. STEAM sessions during “open house.” Another way to recruit students in the future.
6. Programming competition (dan) – Design a programming competition among the high schools in New Hampshire. Note: Project Euler was one suggested source: <https://projecteuler.net/>

This is the last meeting for the 2022-2023 school year. Thank you for allowing me the opportunity to be the cluster lead for our group. It has been an honor and pleasure. I look forward do our discussions next school year. We will continue meeting on the first Tuesday of each month starting. We can determine a start time at the Summer Session – information below.

Certificate of participation is attached and available in our GitHub.

*● Next Meeting Date: Augutst 7-8, CTE Summer Learning Series Conference*

*See meeting Agenda for meeting time/place*

*● Adjourn Meeting: 6:05 pm*