



## **CSL Advisory Board Schuylkill Technology Center November 12, 2019 @ 1:00 p.m. Minutes**

**Welcome & Introductions** – Dr. Koons and Shannon Brennan welcomed the group to STC, Frackville.

### **A. Teacher in the Workforce Grants Update**

- Luzerne Intermediate Unit – Rich Mackrell updated the group; Nov. 21<sup>st</sup> at Reynolds will need to be rescheduled. Next class session will be Dec. 12<sup>th</sup> at Makerspace and LCCC.
- Carbon Lehigh Intermediate Unit – Francine updated the group; September 18 kick off at CCTI. October 16<sup>th</sup> tour at Highwood along with our press-conference for our STEM weeks. November 20<sup>th</sup> we will be at KME. January session at Technical Processing & Engineering. February 19<sup>th</sup> Google's Applied Digital Skills Workshop to integrate seamlessly in to lesson plans and complement learning goals.  
<https://applieddigitalskills.withgoogle.com/s/en/home>.

### **B. Cleveland National Community of Practice (COP)**

- Ty Yost, Winnie Black and Fran Kluck attended the STEM ecosystem conference in Cleveland, OH on October 21, 22, and 23. <https://stemecosystems.org/2019fallcop/>
- 2020 Spring Community of Practice Convening is March 2-4, 2020 San Antonio, Texas: Cities on the Rise: Invention-Innovation- Entrepreneurship
- Winnie participated at the conference in a speed presentation about our Ecosystem and the SHINE program. She also updated the group about a national membership fee for being part of the STEM ecosystem of \$3000 that will take effect next year.

### **C. Events leading up to National STEM Day: November 8, 2019**

- Workgroup meetings September 11 & October 1<sup>st</sup>
- Press Conference 10/16 Highwood USA with the Carbon TIW educators. Thank you to Highwood for being our host.
  - Press Releases sent out the group
  - <https://www.tnonline.com/highwood-hosts-stem-workshop-educators>
  - 10.16.19 BRCTV13 news clip:  
<https://www.brctv13.com/news/local-news/24947-csl-stem-ecosystem-preps-teachers-to-prep-students-for-stem-careers>
- Week of October 21-25  
Highlights from our partners for afterschool week 10/21-10/24 are:
  - twitter @STEMCSL -over 24 tweets
  - Living STEM Communities at the Heart Conference October 21-23 Cleveland, OH
  - Weatherly Area School District Lights-on/ STEM Activities
  - Shenandoah Valley - "Shining" During School Hours
  - Carbon County SHINE - Lights on Afterschool
  - SHINE Luzerne Kistler Elementary Center opens and National Lights On event
  - Wayne Pike Workforce Alliance SHINE Afterschool Centers
- Week of November 4-8/National STEM Day Nov. 8<sup>th</sup>

Thank you to everyone who provided pictures/articles/press releases about your activities for STEM week/day. Over 56 Tweets that week! Expanded Sen. Yudichak and Lehigh Valley Health Network. Over a 50% increase in last year's participation. If anyone has activities from that week, please continue to send them to Fran and any future activities. The following is the listing of participating groups for STEM week:

- o Carbon Career & Technical Institute
- o Carbon County Chamber
- o Carbon County Girl Scouts
- o Dallas SD
- o Diamond Manufacturing
- o Greater Nanticoke SD
- o Highwood USA
- o Intermediate Units (Carbon/Lehigh, Schuylkill, Luzerne)
- o Jim Thorpe SD
- o Lehigh Valley Health Network
- o Luzerne County Community College
- o Northwest Area
- o Lake-Lehman
- o Palmerton SD
- o Pine Grove SD
- o Pittston Area Middle School
- o Pocono WIB
- o Schuylkill Technology Center
- o Sen. John Yudichak
- o Shenandoah SD
- o SHINE Programs Carbon/Schuylkill/Luzerne
- o St. Jerome Regional School
- o Tamaqua SD
- o Wallenpaupack SD
- o Wayne Pike Workforce Alliance SHINE Centers
- o Weatherly SD
- o Wilkes-Barre Area Career and Technical Center
- o Wyoming Seminary
- o Wyoming Valley West

#### **D. 2019-2020 Goals adopted by CSL Ecosystem:**

1. Provide opportunities to develop relevant employability skills in students of the CSL region.
  2. Build greater community awareness about the variety of today's career options and pathways in STEM.
- **Parent - Tool-kit** – Eric Lech – no update at this time.  
The opportunity is to develop relevant employability skills in students of the CSL region/next steps in the parent tool-kit.

#### **C. Grants 2019-2020**

- New Teacher in the Workplace Advanced Grant – Mary Kovalchick- The Ecosystem is planning to submit aligned Teacher in the Workplace grants in both the Pocono Counties and the Luzerne/Schuylkill WIAs. The project at this time seeks to develop school-wide STEM Coach/Mentors, prioritizing participation from teachers who are both SHINE OST and district IST teachers. The 36-40 hour program will take place two days during the summer, 3-4 days during the fall, and then 1-hour long webinars during the spring. The program would be similar to past teacher in the workplace programs with visits to employers, CTEs, etc. An additional component will be coaching instruction. Instruction will be carried on through the IUs. We wanted to make sure that this seems feasible to the group and to ensure support for the project.
- Update Book Project – Mary Kovalchick- Unfortunately, LCCC was not awarded this grant.
- PA SMART Advancing Grant – Ty Yost discussed the PA SMART grant and ideas about gathering information about the SHINE Makerspaces. We looked at ways to connect these programs to the CSL STEM Ecosystems Advancing Grant and improve our landscape for IST and OST programs. One of the key components we had discussed was around makerspaces in underserved schools. Knowing that SHINE makerspaces serve as the “model” for functional makerspaces he requested details about the makerspaces SHINE currently has so we can create a standard to use for the grant. This would include any key equipment, as well as the must haves for the spaces you utilize. The other key detail is the locations of current makerspaces in the schools. Since SHINE and PAsmart prioritize underserved

populations we discussed how to be strategic and look for schools who will be good partners and benefit both the IST and OST STEM programs.

#### **D. Expansion of the CSL STEM Ecosystem**

- Follow-up on expansion – Jeanne Miller updated the group that IU19 will become part of the new Ecosystem called “NEPA” and it covers Lackawanna, Susquehanna, and Wayne. They will still be a part of CSL because of the participation in the Wayne County SHINE program.

#### **E. STEM National Community of Practice**

- Update discussion about PA statewide ecosystem. The statewide systems has been meeting monthly to discuss a convening for PA State Ecosystems. PDE is partnering with Labor and Industry, the Office of Administration, the Workforce Command Center, and the Governor's Office to host the 3rd Annual Code4PA event. This year's event will engage business, industry, post-secondary and for the first time high school students in the Hackathon. We want to get the information for the event out through the ecosystems and try to engage partners across the Commonwealth. Stay tuned there is more to come.

#### **New Business-**

- Highlight companies and school districts monthly to continue the momentum on twitter.
- Dr. Grieco/Jeanne Miller spoke with Judd Pittman @ PATTAN for a recorded podcast. Once available we will share with the group.
- Heather Mullen shared with the group her new position at The United Way of the Greater Lehigh Valley where they received a planning grant to identify the needs of the Carbon County School Districts and identify some areas where they can place an AmeriCorps Service Member. Part of her role is to assess education needs, as well as the needs of community based organizations in Carbon County to determine how AmeriCorps members could be used to impact and expand educational opportunities for students in Carbon County.
- Melissa Turlip, Program Manager from Common Wealth Charitable Management [CommonwealthCharitable.org](http://CommonwealthCharitable.org) discussed the Mobile Oilfield learning Units (MOLU). This traveling exhibition is run by the Oilfield Energy Center that teaches students in grades 5-8 about science, technology, and careers related to the oil and natural gas industry through hands-on, educational activities.

**Next Meeting** –February 2020 @ Carbon Career & Technical Institute