Welcome & Introductions

A. **Teacher in the Workforce Grants Update**
   - Luzerne Intermediate Unit, Luzerne/Schuylkill WIB– The programming will be completed next month.
   - Carbon Lehigh Intermediate Unit, Pocono WIB – Wrapping up Feb. 19th with the Google Applied Digital Skills workshop.
   - How do we get activities in the hands of other teachers involved:
     - **o** CSL website will have the playbook uploaded with lessons plans and activities – previous grant activities already posted
     - **o** Intermediate Unit offering two days of technical assistance through zoom as a follow-up with teachers for implementation within their districts
     - o Activities will be presented to the ecosystem group as well as an invite to superintendents at participating schools

B. **National Community of Practice (COP)**
   - Annual assessment for the STEM Learning Ecosystems Community of Practice by April 15.
     - National has requested $3,000 to fund membership from each participating ecosystem area. How can we fund our membership dues? The group discussed using the existing funding as a portion. Fran will explore the options.
   - STEM Learning Ecosystems Community of Practice Convening, "The Future is Here Embracing it Together" in San Antonio, Texas on March 2-4. Winnie and Fran will be attending and participating in a table talk and presenting during the session "What's Missing in Making? Maximizing the Potential of Maker Education". Shenandoah Valley will be highlighted utilizing their makerspace for SHINE and during the day classroom hours (table talk). Angie and Brooke at SV go beyond.
   - National STEM membership logo was discussed by Jeanne if we can add to our websites and email correspondence. *The logo was reviewed and available on the top of our minutes.*

C. **PA Academic Science Standards update –** Dr. Gasper explained the update of the standards that are currently outdated from 2002. PA is currently the oldest state with these standards; PA State Board voted to update. Two open sessions are available - Luzerne County Community College and Allentown School district for input. The timeline will show Aug/Sept 2020 written and then an 18-month regulatory process for innovative and maximum equity for all. Science standards are extremely important. Ty added that this is a huge move because of technology, environment, and ecology.

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
   The opportunity is to develop relevant employability skills in students of the CSL region/next steps in the parent tool-kit.

- Jeanne discussed the importance of parents having a huge impact on the child's career choice.
- Go to the ecosystem website and school districts should use information https://sites.google.com/gapps.liu18.org/cslstemecosystem/CSLhome
- Discussion was to incorporate the role of camps, activities, and community libraries. We had the Dimmick Library in Jim Thorpe represented at the meeting. Eric discussed how we will capture that information for the upcoming summer similar to last year and then added to our website.
- Send school and other STEM activities to Fran for twitter.

E. CSL STEM Ecosystem Grant Submissions

● Teacher in the Workplace Advancing Grant – Mary Kovalchick – The two grants that were submitted were focused on the eye toward sustainability. A core group of educators will be STEM Career Ambassadors in all our counties. The team would be champions of advanced educators.

● PAsmart Advancing Grant – Ty Yost- If the grant is awarded, it would provide maker spaces for districts that currently do not have these labs. Then create a playbook for sharing throughout all districts. There is a complete theory of action that would develop the next steps. The playbook would guide stakeholders through the transition points of the grant.

F. Expansion of the CSL STEM Ecosystem

● Follow-up on expansion was discussed through a new ecosystem in Northeastern PA. The three W's in Wayne County will be part of the CSL Ecosystem and the new director of SHINE from that region was in attendance.

G. CSL STEM Ecosystem supporting regional engagement in student STEM Competitions

- Ty and Rich discussed a STEM competition connecting K-12. STEM for all would be the focus. Lego First K-12 competition and Tool Time workshops were discussed. A local competition throughout our STEM region can be offered in November that would address the student gap in the "middle". Rich will develop a school survey for this potential competition and funding/grants would be sought after for this initiative.

- **Monthly Ecosystem Call Update**
  o In early March, we hope to hear about the PAsmart Advancing Grant outcome.
  o Discussions at the state level are around how we can measure STEM. How do we evaluate our STEM programs? Some of our CSL members completed surveys for the state and provided input.
  o Remake Learning Days April 23-May 23

- **Is there anyone else we should have at the table?** Please let Fran know of any included programs/activities/groups. Library and the possibility of the United Way was discussed.

New Business
- Administrative Assistant for Senator Yudichak discussed the Carbon County Community Safety Day at Mauch Chunk Lake November 2, 2020, from 10-2:00 p.m. about having CSL Ecosystem represented with a table with activities. Fran will reach out to secure a location.

Next Meeting – April at the Luzerne Intermediate Unit