

NEW Manufacturing Alliance
STEM TASK FORCE – WEBEX MEETING MINUTES
Wednesday, April 28, 2021 – 3:00 to 4:00 PM

ATTENDEES: Nicole Beardsley-Fincantieri Marinette Marine, Samantha Betancur-UWGB, Carol Bredeesen-Amcor, Carol Couillard-Paper Discovery Center, Chad Janowski-Einstein Project, Linda Osterloh-Jacobs Engineering, Laurie Probst-Sheboygan Falls MS, Christina Stelter-Menasha Corp., Jill Thiede-NWTC, Joe Turner-DePere High School, Chad Winkka-Pioneer Metal Finishing, Ann Franz-NEWMA, Debbie Thompson-NWTC

RECAP: TAKE YOUR CHILD TO WORK DAY

There were 95 parents that participated in the program: Amcor, Pioneer Metal Finishing, PCMC, Machine Plus, McCain Foods and Jacobs Engineering. The live event took place on April 22, from 6:00 to 7:30 p.m. Dennis Rockhill, Einstein Project, directed the build during the live event. Over 60 parents and kids participated in the live Zoom session. Feedback from the live event and overall build have been positive, with kids expressing their delight with the model car they each constructed and were able to keep.

GET REAL MATH / SCIENCE

All of the participating companies had their initial planning meeting for this year's Get Real Math & Science videos. Filming will be held in June. The STEM Task Force will work on planning the Premiere for October, if conditions will allow for an in-person event.

Joe Turner toured Robinson Inc. last week and is partnering with them on their math curriculum. They are looking to see how the data centers they are creating or possibly a press brake could be the focus for their videos. The company also utilizes a 20-ton lift system and could possibly integrate some of their logistics. The company will notify Joe when they determine their finalized topics.

Chad Janowski, focused on science videos, has toured McCain Foods and Georgia-Pacific. Georgia-Pacific's water treatment process in papermaking features science technology, while McCain Foods offers the science of working with things like allergens in their production. Chad will tour Plexus in May. Overall, Chad feels the challenge will be to create something engaging that aligns with what teachers are teaching and the curriculum standards.

Chad Winkka shared that Pioneer Metal Finishing has a full chemistry lab that could possibly be utilized to show how science is used at their facility.

WOMEN IN STEM EVENTS & CAREER EXPLORATION TOOLS

The March 23rd boat build event had 104 participants, with a strong concentration of females. The Alliance worked with the Girl Scouts in having them share the kits with their troops. The Boys & Girls Clubs of Green Bay and Menasha also participated. Kudos were given to the Einstein Project and NEWMA for coordinating this initiative. The Alliance was approached by the YWCA to host a similar event in August with 12 middle school aged students.

Carol Couillard, Paper Discovery Center, hosted roughly 11 students for the boat build. Carol constructed one of the boats prior to the event for reference. Some kids completed the project quickly, while others needed a little help. They discussed how the kit could be made better or individualized. Although it would have been great to have more time to test the boats, all were pleased with their build and happy they could keep them.

Carol also discussed upcoming changes at the Paper Discovery Center (PDC). There will be a new theme and programming. Packaging, environmental responsibility, the human body (including stress & barriers to learning), diversity & inclusion, and famous female inventors will be highlighted. The PDC will be hosting a large Zoom call to update their supporters.

2021/2022 STEM EVENTS

Schools will be focusing on getting students back in the classroom and core learning. Schools will likely be open to virtual programming. Joe shared that De Pere schools are not ready to make any commitments too far out and are currently not allowing visitors onsite to present. In addition, students are tired of participating online.

Members will continue to look into hosting a fall virtual interactive event. Giving the students something hands-on to work on, in conjunction with offering a live virtual demo, will be considered. Plus, there is value in having an industry rep talk about the process as it is done in the real world, as this would be a good addition to the virtual programming. Laurie Probst shared that she has been using EAA as a resource for online modules. EAA has an education director that could possibly provide the STEM Task Force with resources for this initiative.

Joe suggested hosting a hands-on project as it relates to careers, having a content expert come in and be part of the conversation. This was similar to the North Coast Marine Manufacturing Alliance's recent virtual student boat build. Dennis Rockhill demoed the build, while Josh Delforge of Marquis Yachts discussed how the build translates to real shipbuilding and careers.

NEXT STEPS:

- ✓ Chad Janowski will research some potential projects to share with the group.
- ✓ The STEM Task Force companies can develop ideas to ultimately design a project. Content experts and detailed instructions (for students doing the project on their own) will be included.
- ✓ Chad Winkka will see if Pioneer Metal Finishing could coordinate a project with their chemistry lab.
- ✓ Ideas and their targeted grade levels will be shared at the July 28 STEM Task Force meeting.
- ✓ Any project(s) will be ready for students when they return in fall.

UPCOMING ALLIANCE EVENTS

- May 4 - 2020 Excellence Awards at Stone Prairie
- May 4 - Nominations Open for the 10th Annual Excellence in Mfg./K-12 Partnerships Awards
- May 21 - Mentorship Webex Workshop, 8:30 – 10:00 AM
- June 10 - Excellence Awards Nomination Deadline
- June 30 - NEWMA 15 Year Anniversary Celebration at Lambeau Field, 2:00 – 4:00 PM

NEXT MEETING DATE/TIME/AGENDA

The next STEM Task Force WebEx meeting is on Wednesday, July 28, 2021, at 3:00 p.m. Agenda:

- ✓ Get Real Math / Science Videos & Premiere
- ✓ Women in STEM Events & Career Exploration Tools
- ✓ 2021/2022 STEM Events
- ✓ Upcoming Alliance Events
- ✓ Next Meeting Date/Time/Location/Agenda