

**NEW Manufacturing Alliance
STEM TASK FORCE – WEBEX MEETING MINUTES
Wednesday, November 18, 2020 – 3:00 to 4:00 PM**

ATTENDEES: Carol Bredesen-Amcor, Chad Janowski-Einstein Project, Laurie Probst-Sheboygan Falls MS, Christina Stelter-Menasha Corp., Jill Thiede-NWTC, Brian Witt-Ariens Co., Ann Franz-NEWMA, Debbie Thompson-NWTC

DISCUSS: MATH / SCIENCE / INDUSTRY PARTNERSHPS MEETING ON SEPTEMBER 14, 2020

MATH / SCIENCE / INDUSTRY PARTNERSHIPS MEETING – SEPTEMBER 14, 2020			
25 REGISTRANTS REPRESENTED:			
Brillion High School Clintonville Middle School De Pere High School Freedom High School	Little Chute High School Madison Middle School (Oshkosh) Manitowoc Lutheran Menasha High School	New Holstein Middle School Notre Dame Academy Oshkosh North High School Sheboygan Falls High School	St. Francis Xavier High School Two Rivers High School Waupaca High School Wrightstown High School

Students vary greatly regarding the modality (hybrid/virtual) in which they are attending school. Discussions included what the teachers need from industry to assist with their ACP goals. Takeaways:

- Virtual plant tours.
- Real-world activities and projects for students to work with a company.
- Include safety information as part of any plant tour even if it is virtual.
- Demonstrate the skills required for particular jobs.
- Continue producing the Get Real Math videos, in addition to filming the new GRM Science videos.
- Include the importance of soft skills in each of the GRM/Science videos. These skills are greatly needed and can't be emphasized enough – dependability, getting things done, written and oral communication, body language.

Currently, organizations are not hosting in-person tours. Members would like to develop a directory of at least eight companies willing to conduct a virtual plant tour. Host a day focusing on a particular company, with live Q&A. These recorded sessions would allow for schools to view the sessions at their convenience, making them quite valuable.

Menasha Corp. is working on an educational series, with customer tours and combining them with Smart Girls Rock. They plan to launch this initiative in January 2021.

Amcor has filmed educational videos. They have been working with local Girl Scout Troupes, taking them through a virtual tour of their plant, followed by a live session with one of their employees.

NWTC is open to doing live/virtual presentations and are very open to supporting high school instructors. They can have groups of 1-3 visitors on campus for in-person tours.

NEXT STEPS

Ann will contact the schools to gauge their interest. Their preference for day, time, and length of time for any presentations/tours will be established. Ann will also contact member companies to inquire if they would like to record a virtual tour with Q&A. The plan is to launch the events, grouped by profession, to the schools in March 2021.

RECAP: NEWMA'S OCTOBER IS MANUFACTURING MONTH K-12 EVENTS

- October 1 – Excellence in Mfg./K-12 Partnerships Awards – Rescheduled for May 4, 2021
- Wednesdays in October – Manufacturing Career Speakers – Partnership amongst NWTC/CESA 8/Solutions to Marinette Skills Shortage Task Force had 67 participants, representing 18 school districts.

- Fridays in October – Women in STEM Career Speakers – There have been 182 YouTube views.
- October 14 – Math/Science/Industry Partnership meeting
- October 23 – Manufacturing First student event hosted 23 teachers and 600+ students. Ann shared with members the student worksheet that was part of the event. Students not in attendance could watch the following week via the recorded session.
- October 27 – Education & Industry Partnership meeting – 99 registrants

OCTOBER IS MANUFACTURING MONTH				
School districts that had at least one educator/student attend October is Manufacturing month events:				
Algoma	Freedom	Manitowoc	Oshkosh	Tigerton
Appleton	Green Bay	Marinette	Peshtigo	Two Rivers
Ashwaubenon	Green Lake	Marion	Pulaski	Valders
Beecher-Pembine	Kaukauna	New London	Seymour	Waupaca
Bonduel	Kewaunee	Oconto	Shawano	Waupun
Brillion	Lena	Oconto Falls	Sheboygan	Wausaukee
Chilton	Little Chute	Oneida Nation	Shiocton	Weyauwega
Clintonville	Luxemburg-Casco	Oostburg	Stockbridge	Wrightstown
Fond du Lac				

2021 WOMEN IN STEM EVENTS

Members would like to expand NEWMA’s recorded/live/print educator resources. There are three recordings from this year’s women in STEM sessions that can continue to be used. Ann would like to work on a student worksheet that would have questions and answers based on what was presented in the recording, so the teacher can confirm student learning. These resources could be supplemented with female All Star videos.

Smart Girls Rock is typically a one day live event. This year’s event was held over three days. Each presenter had 30 minutes, followed by 10 minutes of Q&A. The sessions were offered recorded or live. Christina Stelter shared that the live events went well, with the recorded sessions serving as a great alternative format. The girls have liked going back and watching the recorded sessions. 60 to 90 girls attended each of the following **Smart Girls Rock** events.

Science Day – Wednesday, November 4, 2020 – 8:30 to 11:30 AM

Technology Day – Wednesday, November 11, 2020 – 8:30 to 11:30 AM

Engineering & Math Day – Wednesday, November 18, 2020 – 8:30 to 11:30 AM

For fall 2021, members are looking at hosting a STEM event for females, bringing 500+ high school girls to Appleton’s PAC. A national keynote speaker will be sought. Following the event, speakers will be featured weekly to host a YouTube Live session. It is hoped that by April there will be more clarity regarding in-person events so members can move forward with planning the event.

Ann was notified about a grant for females that would help pay for competitions, including robotics. NEWMA could apply for the grant, indicating they would like to use the funds to provide resources for female competitions. NEWMA and the North Coast Marine Manufacturing Alliance host a yearly SeaPerch competition that would also be eligible.

UPCOMING ALLIANCE EVENTS

QUARTERLY FULL MEMBERSHIP ZOOM MEETING

Tuesday, December 8 - 8:30 to 10:30 AM

The 2021 Northeast Wisconsin Manufacturing Vitality Index results will be announced. A guest speaker; Ted Abernathy of Economic Leadership LLC, a North Carolina based economic consulting company that has worked with WMC on its Wisconsin Workforce Competitiveness Evaluation report, will present. Regional, State and national data will be shared,

giving a glimpse of what to expect in 2021 regarding workforce and economic trends. The program will also include an overview of the past year and what's to come in 2021 for the NEW Manufacturing Alliance.

NEXT MEETING DATE/TIME/AGENDA

The next STEM Task Force WebEx meeting is on Wednesday, January 27, 2021, 3:00 to 4:00 p.m. Agenda:

- ✓ Get Real Math/Science Videos
- ✓ 2021 Women in STEM Events
- ✓ Upcoming Alliance Events
- ✓ Next Meeting Date/Time/Location/Agenda