

## **NEW Manufacturing Alliance**

### **STEM taskforce Minutes**

August 19, 2020 at 3 p.m.

Ariens Museum & Webex

**ATTENDEES:** Ann Stilp-Ariens Co., Brian Witt-Ariens Co., Carol Couillard-Paper Discover Center, Christina Stelter-Menasha Corp., Cindy Barber – Random Lake Middle School, Joe Turner-De Pere High School, Laurie Probst-Sheboygan Falls Middle School, Lisa Grubisic-Random Lake Middle School, Ryan Peterson-Brillion High School, Scott Herron-New Resources Consulting, Steve Meyer-FVTC, Ann Franz-NEWMA

#### **Topic 1: Museum tour**

Individuals attending in person took a tour of the museum. Ann Stilp thanked the educators for their feedback on how to enhance the museum.

#### **Topic 2: 2020 Get Real Math & new Get Real Science videos and educator event**

Ryan Peterson has been reviewing some of the Alliance's Get Real Math videos to see if they can be repurposed for science. He doesn't believe this is the best way to try and make something that wasn't originally written for science useable for teachers. He explained that math problems (including these) are framed to ask "what is the answer" and science is more focused on "why is this happening" or "what do I need to know BEFORE I calculate". It was decided that the Alliance will create new videos specific to science in 2021.

The taskforce discussed hosting an event in lieu of the Get Real Math Premiere, which would include science teachers.

Discussion questions:

- How are you implementing your curriculum in a virtual format?
- What resources are you currently using to teach both in person and virtually?
- What do educators need from industry to help educate students?
- What types of math and science problems would you like featured in new Get Real videos?

The date of the event will be **October 14<sup>th</sup> from 3:30 p.m. – 5 p.m.** held in a virtual format. There will be virtual breakout rooms for elementary, middle and high schools focused on math or science. Taskforce members are asked to be the moderator in each breakout room.

#### **Topic 3: Female STEM**

Brian discussed offering female STEM career speakers in the month of October. The career speakers would be featured for one hour each Friday in the month of October, which is Manufacturing Month. Ideas of potential speakers:

1. Paper Discovery Center and Georgia-Pacific Environmental Engineer
2. Electro-Mech/project manager from Ariens Co. (Taryn)
3. Engineers from Jacobs
4. Mechanical Engineers (Courtney from Ariens Co.)

Ann will work at identifying potential career speakers and promote it with schools. There will be also opportunities for females to be featured on October 23 as part of the Manufacturing First Expo from 10 a.m. – noon. Exhibitors are able to have a career speaker in their exhibit booth.

Christina shared information about the 5<sup>th</sup> annual Smart Girls Rock, which will be held virtual. The program is part of the Fox Cities Chamber of Commerce initiatives. This event usually has 100 9<sup>th</sup> and 10<sup>th</sup> grade females attend from Fox Valley high schools. There will be female STEM professionals spotlighted on a Zoom call each Wednesday in the month of November and the first week of December. Students can choose how many weeks they want to attend. Now with the event being held virtually, more students could attend. There may be a fee for the schools to participate, as was done in years past. Christina asked if a 2 hour Zoom call was too long. A few of the teachers thought an hour would be a better time frame.

**Topic 4: Upcoming Alliance events**

Manufacturing members were encouraged to complete the K-12 Outreach study by August 31: [2020 K-12 Outreach Survey](#), which will be shared with schools at the ACP Roundtable meeting.

**Topic 5: Next meeting on September 16 at 3 p.m. via Webex**