

NEW Manufacturing Alliance
STEM TASK FORCE MEETING MINUTES
KI – Green Bay, WI
Tuesday, February 5, 2019 – 3:00 PM

ATTENDEES: Andy Bushmaker-KI, Chad Evers-Jacobs, Steve Meyer-FVTC, Shannon Niccum-Nestle, Sara Schewe-Jacobs, Dale Turriff-Jacobs, Brian Witt-Ariens Company, Ann Franz-NEWMA, Debbie Thompson-NWTC

REVIEW 2018 STEM TASK FORCE ACTIVITIES

- February 17 – **SeaPerch Competition** at Ashwaubenon High School - Over 60 students participated from Marinette, Brillion, Ashwaubenon, Shawano, Seymour and Green Bay Middle Schools.
- March 14 – Fox Cities Chamber **Find Your Inspiration**. Over 2,000 8th graders received an *All Stars* magazine.
- April 24 – **You Can Make It in Northeast WI Career Expo** at Greenville Middle School. 200+ 7th grade students from Greenville and Hortonville Middle Schools attended. Included a light job fair that evening when parents returned to school with their child.
- April 27 - **Howard/Suamico All Faculty Expo** - NEWMA had an exhibit booth featuring Get Real Math and All Stars.
- May 4 – Ann and Andy Bushmaker gave a Get Real Math **presentation at the Wisconsin Mathematics Council’s annual conference**.
- A total of 15 new **Get Real Math videos** were created at Georgia-Pacific, Kohler Co., Marinette Marine, TIDI Products and Werner Electric.
- October 2 – **Get Real Math Premiere** – 200+ attendees from 85 different schools
- October 14 - NEWMA sponsored the Green Bay Chamber’s **Find Your Inspiration**. Over 4,000 8th grade students received an *All Stars* magazine. Alliance members received a discounted exhibit booth.
- October 19 – **YWCA Empowerment** conference with All Star panelists
- **Funded bussing** for over 1,000 students to participate in October (manufacturing month) plant tours.
- October 23 – **Excellence in Mfg./K-12 Partnerships Awards** – Hosted 380 attendees and raised \$13,000.
- October 24-25 – **Manufacturing First Expo & Conference** – Hosted 580 high school students.
- October 23 – **ACP Partnership meeting** - 102 attendees, representing 38 school districts
- November 30 – The Alliance received a **national award for Business-Education Partnership from ACTE**.
- Presentations from the YWCA, the Einstein Project, St. Bernard School

2019 INITIATIVES & GOALS

- January/February - The father/son team from CMD Corp. commercial is running on WLUK Fox 11. The goal is to positively impact parents’ perceptions regarding working in manufacturing. Viewers are being directed to the new **Manufacturing.Careers** webpage.
 - Saturday, February 16 – **SeaPerch** - Underwater Robotics Competition at UWGB - Hosting 20 Teams
 - March 6 & 7: **Your Future Career Expo** in Appleton
 - **You Can Make it in Northeast Wisconsin Career Expo** – Students review participating companies before attending. Each employer activity will involve 6-8 students and last 20-25 minutes. Students have fun and learn a lot. Teacher feedback has been very positive. This free event for employers will also allow them to recruit high school students for summer jobs.
 - March 19 – Hortonville & Greenville Middle Schools
 - April 2 – Lombardi Middle School
 - August - **K-12 outreach survey** identifies member manufacturers’ interest at specific school districts. The survey results become part of the **ACP manufacturing careers toolkit**.
 - Green Bay Chamber’s fall **Find Your Inspiration** event - Over 4,000 8th grade students attend. Each student receives an *All Stars* magazine. Alliance members receive a discount on their exhibit booth.
 - 15 new **Get Real Math videos** will be produced.
 - October – **Fund Bussing**
 - October 1 (Tentatively) – **Get Real Math Premiere**
 - October 29 – **Excellence in Mfg./K-12 Partnerships Awards**
 - October 29 – **ACP Partnerships Meeting**
 - October 30 – **Manufacturing First Expo & Conference** – Host 500+ high school students. Members are encouraged to host a booth to connect with students.
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- ✓ Ann will send Debbie the manufacturers’ commercial links for the website.
 - ✓ Ann will send a request this week for companies to participate in the upcoming ‘You Can Make It’ events.

2019 GET REAL MATH & PREMIERE

Members agreed to move forward with scheduling the GRM Premiere for 10/1/2019 at the Meyer Theatre. Companies producing videos:

- Ariens Company (tentatively)
- Gardan (winner of this year's free video filming)
- Kohler Co.
- Outlook Group
- TIDI Products

Each company will produce three videos, for a total of 15 new GRM videos. Five videos were featured at 2018's event. It seemed to flow well. Members agreed to move forward with featuring five videos at the 2019 GRM Premiere. The total cost per company to create their 2019 GRM videos is \$3,500. This includes the cost of the regional math teachers completing their lesson plans.

John Gillespie will be this year's videographer. John has a teleprompter that will aid in the production of the videos. Once the videos are taken, members need them completed in a timely fashion to allow regional math teachers to complete the lesson plans, as this has been an issue the past few years.

The Math Council guides the content. A lot of the videos are focused on science as well. At the last Math Council meeting, members discussed trying to incorporate more science into the videos. Andy reached out to a physics instructor, forwarding her three of the videos. The instructor had very positive feedback, so this seems to be a good approach and something to keep in mind as members meet with the companies involved. NEWMA is looking to invite a physics or science teacher to the next Math Council meeting.

Schools across the country use the videos free of charge. Most of the them are geared towards middle school. The last couple of years the videos have been more geared towards high school students. They are often paired with relevant All Star career videos.

- ✓ Ann will contact the Meyer Theatre to reserve October 1, 2019 for the Get Real Math Premiere.
- ✓ Ann will invite teachers and John Gillespie to attend the next meeting. She will offer to pay for their substitute teacher fee, so they can be in attendance.

FEMALES IN STEM OCCUPATIONS

½ of the population is females. Members would like to do something specific related to females and STEM. At the next meeting, this topic will be further discussed.

CHANGE IN LEADERSHIP

Brian Witt, Ariens Company, was welcomed as the new STEM Task Force chair beginning February 2019. Andy Bushmaker was thanked for his dedicated service, as he has been in this role for the past two years. Prior to that, Andy spent two years as the K-12 Task Force chair. Brian looks forward to continuing the work of the STEM Task Force.

NEXT MEETING DATE/TIME/LOCATION/AGENDA

The next STEM Task Force meeting will be on Wednesday, February 20, at Ariens Company, 3:00 to 4:30 p.m. The meeting will be followed by a plant tour. Agenda:

- ✓ Brainstorm 2019 Initiatives
- ✓ 2019 Get Real Math & Premiere
- ✓ You Can Make IT in Northeast Wisconsin
- ✓ Females in STEM Occupations
- ✓ Ariens Company Plant Tour (Optional)