

**NEW Manufacturing Alliance  
STEM TASK FORCE MEETING MINUTES  
The Utech Group – De Pere, WI  
Wednesday, January 24, 2018 – 3:00 PM**

**ATTENDEES:** Melissa Borowicz-The Utech Group, Andy Bushmaker-KI, John Davister-Services Plus, Joe Draves-NWTC, Chad Janowski-Einstein Project, Brenda Litwin-Menasha School System, Steve Meyer-FVTC, Shannon Niccum-Nestle, Taryn West-K.R. West Company, Ann Franz-NEWMA, Debbie Thompson-NWTC

### REVIEW 2017 STEM TASK FORCE ACTIVITIES

- Launched the new STEM Task Force in 2017!
- March 7 – Fox Cities Chamber hosted ‘Find Your Inspiration’. Over 2,000 8th graders received an *All Stars* magazine.
- May 7 – Andy Bushmaker and Ann gave a Get Real Math presentation at the Wisconsin Mathematics Council’s (WMC) annual conference.
- 12 new Get Real Math videos were created at KI, Nercon, Marinette Marine and Rockline Industries.
- September 2017 – Created a one-page manufacturing careers flyer and toolkit that will be used to promote manufacturing careers to parents/students/educators. The Alliance included a K-12 outreach survey that was conducted during summer. The survey identified member manufacturers’ interest at their targeted school districts. This data became part of the ACP manufacturing careers toolkit.
- October 3 – Get Real Math Premiere (3<sup>rd</sup> year of the Premiere) – 200+ attendees from 85 different schools.
- October 10 - NEWMA sponsored the Green Bay Chamber’s ‘Find Your Inspiration’ event. Over 4,000 8th grade students received an *All Stars* magazine. Alliance members received a discount on their exhibit booth.
- October 25 – ACP Partnership meeting - 104 attendees, representing 35 school districts
- Six member companies partnered with a school to solve real-life problems. Manufacturer/school partnerships included; KI/Denmark; Rockline Industries/Sheboygan, Nature’s Way/Preble, KI/Bonduel, and Sofidel/BayPort.
- Partnership with The Einstein Project.
- Explored augmented reality career awareness and the CNC Mobile Lab.

### 2018 INITIATIVES & GOALS

- Develop a math toolkit and other materials in partnership with The Einstein Project.
- February 17 – SeaPerch Competition at Ashwaubenon Community Pool with 16 teams.
- March 14-15 – Fox Cities Chamber ‘Find Your Inspiration’ event.
- April – Engineering Technology Career Pathway events at De Pere, Wrightstown and Seymour High Schools. Electro Mech mobile lab and career speakers focused on industrial maintenance, electro-mech/automation and engineering technology careers.
- April 24 – Hortonville & Greenville Middle School Manufacturing Careers program. The event will be held at Greenville Middle School in their gymnasium. Parents will be invited to see what their child participated in and/or made. Parents and their children will be fed that evening. The goal is to have 20 companies participate, with each company offering at least two hands-on opportunities.
- May 3 – Andy Bushmaker and Ann will give a Get Real Math presentation at the WMC annual conference.
- August - K-12 outreach survey will be sent to member manufacturers to establish their level of interest to participate at their desired school districts. This data will become part of the ACP manufacturing careers toolkit.
- 12 new Get Real Math videos will be produced.
- October 3 – Get Real Math Premiere
- October 10 - NEWMA sponsors the Green Bay Chamber’s ‘Find Your Inspiration’ event.
- October 23 – ACP Partnership Meeting
- Member companies partner with a school to solve real-life problems. Andy Bushmaker shared that participating companies should not hesitate to challenge the students.

### PARTNERSHIP WITH THE EINSTEIN PROJECT

Chad had a follow-up meeting with Rachel Johnson of NWTC. They will be making the kit this summer, as a follow-up to a grant. A school needs to be secured as the first customer of the math kit. A number of manufactured items are needed. Videos, lesson plans, PPTs, and a lot of measurement tools are used. The kit will be setup to be taught in conjunction with a welding class, incorporating industry tools.

- ✓ Chad will coordinate with Rachael to demo the kit at the February 28 meeting.

## 2018 GET REAL MATH & PREMIERE

Ann will send an email next week to solicit interest, with the hope of identifying the participating 2018 companies by mid-February. Marinette Marine won at last year's Premiere and will participate. Companies that participated last year will be offered the opportunity, prior to Ann asking the entire membership.

## SEAPERCH COMPETITION

**Saturday, February 17, 2018**

**Ashwaubenon Community Pool**

**8:00 AM to 12:00 PM**

This is the fourth year of this regional robotics competition targeted for middle school students; public, private, and home schooled. Students manufacture an underwater robot prior to the event. The winning team has the opportunity to attend the national competition. The Navy League is also sponsoring the event. **Volunteers are needed to help judge at the competition. Members are encouraged to contact Ann if interested.**

## NEWMA WEBSITE – MANUFACTURERS' OUTREACH

Brenda Litwin, Menasha School System, suggested having an 'Educators' Desired Outreach' survey. This information would be what educators' desire from manufacturers. Members were very receptive to this idea and will collect the school data via a survey.

## FVTC'S FAB LAB

**FVTC's Fab Lab** will be offering teacher training on July 23-27, 2018. Teachers will be given some best practices. NWTC weld club members also get involved. There may be some teacher credit options. The training is funded by WEDC.

**Contact Ann by February 1 if you are interested in participating.**

## WTEA ANNUAL CONFERENCE

Tech ed teachers from across Wisconsin will be participating in the [WTEA Annual Conference](#) on March 7, 8, and 9. The event will be held at the Chula Vista Resort – Wisconsin Dells, WI.

## JUNIOR ACHIEVEMENT – FVTC PARTNERSHIP

Steve Meyer shared that FVTC has been working with JA on creating their version of BizTown®. Their JA chapter will be moving into a building on the FVTC campus for this purpose. Career exploration and hands-on activities will be part of the stores located in the building. Colleges will also utilize BizTown® at certain times during the year.

## NEXT MEETING DATE/TIME/LOCATION/AGENDA

**The next STEM TF meeting will be on Wednesday, February 28, 2018 at The Einstein Project, Green Bay, 3:00 to 4:30 p.m.** Agenda items include the following.

- ✓ Einstein Project Math Kit Demo
- ✓ SeaPerch Competition Recap
- ✓ 2018 GRM & Premiere
- ✓ Educators' Outreach Webpage Update