

**NEW Manufacturing Alliance
STEM TASK FORCE MEETING MINUTES
KI – Green Bay, WI
Wednesday, July 26, 2017 – 3:00 PM**

ATTENDEES: Andy Bushmaker-KI, Cyndi Cantwell-GBAPS, Kelly Ellis-Einstein Project, Chad Janowski-Einstein Project, Pam Mazur-NWTC, Shannon Niccum-Nestle, Janet Rankin-KI, Andrew Werner-Einstein Project, Ann Franz-NEWMA, Debbie Thompson-NWTC

THE EINSTEIN PROJECT - NEWMA PARTNERSHIP

Kelly Ellis and members of her team discussed the work they have been doing to incorporate the Get Real Math (GRM) and the All Star videos into their science kits. They are excited to partner with NEWMA and also discussed their work that has been done with the GRM video, 'What does temperature have to do with math?'

- Andrew Werner, Einstein Project intern, established the grade levels for the GRM videos and applied them to a spreadsheet.
- Content can be bundled due to various grade levels covered in the GRM videos.
- Making the kits easy for the teachers to use is one of the primary goals of The Einstein Project. Members suggested asking Mr. Auger, Red Smith School retiree, if he would help build the NEWMA kit due to his expertise. Chad could also develop the lesson plan for the kit.
- The Einstein Project implemented a new warehouse management system, allowing them to pack quicker and more efficiently. Many of the kit materials are already on-hand.
- Schools pay a lease fee for the kits, however the Alliance may pay the fee for the schools to have the GRM kits.
- Ann suggested doing a pilot with a few schools to see if there is value in continuing this initiative. Cyndi thought Green Bay Public Schools would be willing to be one of the pilots. NEWMA's Math Council will be contacted as well.
- It will be approximately \$1,500-\$2,000 to produce the math kits.

Members will meet on **Thursday, August 3, 1:00 to 2:30 p.m., at the Einstein Project, 1255 Einstein Way, Green Bay, WI 54311.** Agenda items include continuing the conversation, reviewing Andrew's spreadsheet, and designing a math kit prototype.

Ann shared that NWTC is considering an NSF Grant that could possibly help fund this initiative.

GET REAL MATH VIDEOS & MOVIE PREMIERE PLANNING

All 12 videos have been filmed. KI, Nercon Eng. & Mfg., Inc., Fincantieri Marine Group, and Rockline Industries participated in this year's GRM filming.

Pete Petoniak will again emcee the GRM Movie Premiere on October 3 at the Meyer Theatre. Sponsors are being sought for the \$500 cash awards for school math or tech ed departments. Checks can be written directly to the school and are tax deductible. The Alliance is also looking for two \$1,500 networking reception sponsors.

- ✓ Ann will contact Craig Treichel of Miller Electric Mfg. Co. regarding sponsoring another welder.

HANDS ON DECK & JA STEM PROGRAMMING

These topics were tabled until the August 23 meeting. Instead, Pam Mazur, associate dean at NWTC, discussed efforts the college is doing to get more people interested in degrees in electro-mech and prototype & design. One of the efforts is having school utilize NWTC's Electro-Mech lab. There will be a demonstration at the next meeting.

FALL EVENTS

October 3 - Get Real Math Movie Premiere, Meyer Theatre in Green Bay, WI.

October 10 - Find Your Inspiration, KI Convention Center in Green Bay. Approximately 4,000 8th grade students from the Green Bay area attended in 2016 to explore careers.

October 12 & 14 – This Girl Can - 7th and 8th grade girls at Marinette Middle School will partner with NEWMA, NWTC and Samuel Pressure Vessel Group. Parents/guardians and their daughters will visit Samuel for a cookout, tour and

discussion of females working in manufacturing. The girls will also attend a safety briefing on 10/12. On 10/14 they will weld a fun craft. This event will replicate a program Green Bay Public Schools hosted this past spring.

October 25 – MFEC Day 1: Joint Meeting (includes ACP team members), Networking Reception, Excellence in Manufacturing/K-12 Partnerships Awards Dinner

October 26 – MFEC Day 2 will host 600 high school students. The keynote speaker will be William Taylor, cofounder and founding editor of *Fast Company* magazine. The Alliance will sponsor the cost of bussing during October.

For MFEC 2018, an effort will be made to invite people who have graduated from high school but have not decided on a career. General studies students could be targeted.

NEXT MEETING DATE/LOCATION/AGENDA

The next **STEM Task Force meeting** will be on **Wednesday, August 23 at NWTC's (Green Bay) Business Assistance Center, BA101 classroom, 3:00 to 4:30 p.m.** Agenda items include the following.

- ✓ The Einstein Project & NEWMA Partnership
- ✓ GRM Videos & Premiere
- ✓ Hands on Deck & JA STEM Programming
- ✓ Fall Events
- ✓ NWTC's Mobile Modular Lab Tour
- ✓ Lab Midwest demonstration