

**NEW Manufacturing Alliance  
STEM TASK FORCE MEETING MINUTES  
Services Plus, Inc. – Green Bay, WI  
Wednesday, May 24, 2017 – 3:00 PM**

**ATTENDEES:** Andy Bushmaker-KI, Tad Campana-Services Plus, Cyndi Cantwell-GBAPS, John Davister-Services Plus, Sondra LaCoy-Nercon Eng. & Mfg., Janet Rankin-KI, Ann Franz-NEWMA, Debbie Thompson-NEWMA

**THE EINSTEIN PROJECT PARTNERSHIP WITH NEWMA**

Kelly Ellis, of The Einstein Project, and Ann met to discuss how to partner in regard to the Get Real Math (GRM) videos. Kelly will be adding the GRM website to their portal. College interns will determine The Einstein Project science kits with math skills that correlate to the GRM videos. They will then add the curriculum as extended learning. In addition, Kelly will have the interns review how to enhance their curriculum, so the Alliance's All Star career videos can be added. Kelly and Ann discussed the possibility of developing GRM math kits, similar to The Einstein Project school science kits. Kelly will be invited to the July 26 STEM Task Force meeting to discuss next steps.

The K-12 Task Force is focusing on parents, as NEWMA membership employs approximately 45,000 people. Ann distributed a parent survey draft for review by members. The survey collects information about their child's career preparation. The goal is to eventually provide tools for parents in helping them assist their child in making informed career choices. Discussions included the following.

- A survey would need to be distributed per child, as each child is different.
- Manufacturers could administer the survey to their employees who have school age children.
- Not all manufacturing employees have a smartphone, email, or Internet access. However, NEWMA would still be getting a sampling from those who have electronic access to the survey.
- Results should be anonymous.

The survey will be further developed by the K-12 Task Force.

**GET REAL MATH MOVIE VIDEOS**

**Filming Schedule**

- ✓ KI – May 31
- ✓ Nercon Eng. & Mfg. – June 7
- ✓ Fincantieri Marinette Marine – June 7
- ✓ Rockline Industries – June 22

**2017 GRM Video Topics**

**KI** – Stability of a Chair, Cost & Data Analysis Problems, Collect & Organize Information to Make Decisions

**Nercon Eng. & Mfg.** and **Rockline Industries** will film together to show how companies cooperate to find solutions.

Nercon will be doing sample size intolerances. Kits will be made for tolerances. The kit material can be demonstrated if the school does not have it. Converting fractions and demonstrating axis applied will be featured in the videos. Rockline will also provide math problems in regard to filtration of their coffee filters. **Fincantieri Marinette Marine** will showcase how math is used to confirm an LTC (Littoral Combat Ship) will stay afloat.

The Get Real Math section of the website has been updated with a search feature to make it easier for teachers to find specific topics. 1,600 postcards were recently sent to 5<sup>th</sup> grade through high school math teachers to share information about the website.

Teachers can register on the GRM webpage, allowing them to be entered in a \$250 drawing for their math and/or tech ed departments. Members agreed to hold the biyearly drawings on December 1 and May 1. All registrants who did not win in the December 1 drawing will be entered in the May 1 drawing.

Andy and Ann spoke about GRM at the Math Teachers' statewide conference in Green Lake on May 5.

### GET REAL MATH MOVIE PREMIERE

Approximately 250 people attended the 2016 GRM Video Premiere. Comments were as follows.

- The event Facebook photos were fun.
- Pete Petoniak did a great job as emcee and will be invited to host this year's event.

### 2017 GRM Movie Premiere

- ✓ NEWMA Intro – Mark Kaiser
- ✓ Evolution of GRM – Andy Bushmaker
- ✓ Each of the four companies that produced 2017 videos will talk briefly and introduce their video that will be featured at the Premiere.
- ✓ An All Star video will be shown explaining how it relates to ACP.
- ✓ Have some of the lesson plans for the new videos available at the event.
- ✓ Prize drawings will be held throughout the night and emphasized in the event marketing.
- ✓ Invite Dr. Tony Evers, State Superintendent of Public Instruction.
- ✓ If all goes forward with The Einstein Project, the new partnership and math kits will be announced.

Local tech ed teachers have a regional group that meets, which will be encouraged to host a pre-event meeting at the Meyer Theatre. Cyndi Cantwell will check to see if there is a local math group that meets and report back. Ann would like to promote NEWMA GRM to any of the regional math groups.

### FALL EVENTS

**FALL - Real Life Build Project Partnerships:** Bay Port High School & Sofidel America, Bonduel High School & KI, Denmark High School & KI, Preble High School & Nature's Way, Oconto Falls High School & Nercon Eng. & Mfg., Inc.

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

**October 10 - Find Your Inspiration** — Approximately 4,000 8<sup>th</sup> grade students from the Green Bay area attended in 2016 to explore careers. NEWMA showcased manufacturing. Ann will be emailing companies who participated last year for first dibs at purchasing a \$200 booth (vs. \$500), as the Alliance will be funding \$2,000 for this initiative. The Greater Green Bay Chamber is working with the schools to develop lesson plans based on the *All Stars* magazine. Manufacturers appreciated the thank you notes that were written to them by the 2016 student attendees.

**October 12 & 14 – This Girl Can** - 7<sup>th</sup> and 8<sup>th</sup> 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 cook-out, 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. The plan is to host this type of event for boys as well.

**October 25** – Excellence in Manufacturing/K-12 Partnerships Awards Dinner- Nominations are being accepted until June 9. Members are encouraged to nominate themselves or a school/manufacturer. 380 people attended the 2016 awards dinner.

**October 26** – Manufacturing First will be hosting 600 high school students. The Alliance will sponsor the cost of bussing during October.

Tad Campana provided a tour of Services Plus.

### NEXT MEETING DATE/LOCATION/AGENDA

The next **STEM Task Force meeting** will be on **Wednesday, July 26 at KI, 3:00 p.m.** Agenda items include the following.

- ✓ The Einstein Project & NEWMA Partnership
- ✓ GRM Premiere
- ✓ GRM Filming