

**NEW Manufacturing Alliance  
STEM TASK FORCE MEETING MINUTES  
Bemis – Neenah, WI  
Tuesday, November 28, 2017 – 3:00 PM**

**ATTENDEES:** Melissa Borowicz-The Utech Group, Carol Bredesen-Bemis, Andy Bushmaker-KI, Steve Meyer-FVTC, Chad Janowski-Einstein Project, Joe Draves-NWTC, Shannon Niccum-Nestle, Scott Stephens-GPS, Ann Franz-NEWMA, Debbie Thompson-NWTC

### **GRM VIDEOS AND MOVIE PREMIERE**

Over 200 people, representing over 85 different schools, attended the third annual GRM Premiere. The goal is to have the 2018 videos completed sooner, so there is more time for math educators to work on the lesson plans.

- Marinette Marine won the filming raffle at the 2017 GRM Premiere and will be one of the four companies producing 2018 videos.
- The videos cover common core skills of 6th, 7th, and 8th grades, in addition to some high school skills. There will be 70 to 80 math skills featured in 35 videos by the end of 2017.
- The videos and lesson plans on the NEWMA website can be accessed by the public at no cost.
- Three additional math videos will debut on December 1. In addition, NEWMA will also award \$250 to one math department. Schools registered from across Wisconsin and outside of the state.
- Ann and Andy met with the Alliance's Math Council two weeks ago. The council continues to desire real world math problems from companies. Skills the Math Council would like covered include; quadratics, mean, median, mode, congruence, cost equations, and linear programming.
- In mid-December, Ann will send GRM sponsorship opportunities to the membership.
- Companies will be identified the first week in February so they can participate in February's math council meeting.
- Filming will be done in May.
- The videos will be completed the first week in August. Getting the videos done sooner is a priority.
- The 2018 GRM Premiere is tentatively scheduled for October.
- The GRM Premiere will begin ½ hour earlier, 5:00 instead of 5:30 p.m., concluding ½ hour earlier.

### **GOLF OUTING**

Ann is proposing to the BOD a 2018 golf outing scholarship fundraiser. If approved, this event would be called 'The Presidents Cup' and would feature 18 presidents each golfing with one of 18 teams. Online bidding could be held to bid on golfing with high profile presidents. There would not be a silent auction but would feature a live auction item. Presidents would be identified in January or February and will golf at no charge.

### **FALL EVENTS**

**October 3** marked the 3<sup>rd</sup> year of the **Get Real Math Premiere** at the Meyer Theater. There were over 200 attendees, with educators from over 85 different schools. The event featured the Alliance's latest Get Real Math videos.

**October 10** – The Alliance sponsored the manufacturing section of **Find Your Inspiration** at the KI Convention Center. Over 4,000 eighth graders attended to explore careers.

**October 12 & 14 – This Girl Can** - 7<sup>th</sup> and 8<sup>th</sup> grade girls from Marinette Middle School and their parents/guardians partnered with NEWMA, NWTC and Samuel Pressure Vessel Group to learn about welding and manufacturing careers.

**October 25** – The Alliance hosted the **Academic & Career Planning Partnership Roundtable** meeting. 30 schools were represented, with approximately 100 people in attendance. The Alliance shared with the principals and counselors marketing materials, including school specific information, related to manufacturing careers.

**October 25** – The Alliance hosted the 6th annual **Excellence in Manufacturing/K-12 Partnerships Awards** at the KI Convention Center. There were 405 attendees, a record number! The event recognizes manufacturers and schools that are working together to promote manufacturing careers. The 2018 All Star winners were spotlighted. This event also serves as a fundraiser for the Alliance's college scholarship fund, raising over \$12,000 this year.

**October 25 & 26** marked the 7th annual **Manufacturing First Expo**. There were over 200 exhibit booths, a record sell-out! Over 1,100 people were in attendance, with an additional 550 high school students from Bonduel, Coleman, Denmark, De Pere, Green Bay Preble, Green Bay West, Green Bay Southwest, Kaukauna, Kewaunee, Oconto, Oconto Falls, Peshtigo, Plymouth, Sheboygan Falls, Southern Door, and Wrightstown High Schools.

**November 9** marked the 3<sup>rd</sup> year of **Internship Draft Day** at Lambeau Field. The event hosted a record number of college student attendees (over 260) interviewing and/or networking for paid internships! Students represented colleges from Wisconsin and Upper Michigan. 47 companies participated.

**Throughout the month of October, the Alliance funded bussing for over 1,000 students to go on plant tours throughout the region!**

**October/November events generated a lot of interest in people wanting to join NEWMA task forces.**

#### **EINSTEIN PROJECT PARTNERSHIP WITH NEWMA**

Chad Janowoski connected with Rachel Johnson of NWTC to discuss the production of a GRM related math kit. NWTC has developed their own math kit, which could be replicated by the Alliance. Chad expressed interest in getting involved at the onset of GRM video creation/filming. The math kits could be created to support new GRM videos. There was discussion on utilizing the KI video: What does raising a Ruckus have to do with math? The hands on math skills would be focused on measuring other objects to determine their center of gravity. He will be sharing some of the NEWMA ACP materials at an upcoming school conference.

#### **Next Steps**

- ✓ Meet with Rachel Johnson to continue the conversation and get a better understanding of processes involved.
- ✓ Schedule a meeting with the math teachers regarding the math toolkit.
- ✓ Involve Chad in future GRM planning and implementation of the math toolkit.

#### **2018 STEM ACTIVITIES**

- Volunteers are needed at the SeaPerch underwater robotics competition being held the morning of **Saturday, February 17, 2018**, at the Ashwaubenon Community Pool. Ann has a couple more openings for any interested schools. Grades 6 through 8 are eligible. It takes approximately six weeks for students to build the SeaPerch robot. Each participating school receives one free kit. The winning team has the opportunity to attend the national SeaPerch competition in June.
- The Einstein Project's STEM Expo in February 2018.
- Promote upcoming STEM camps and networks.
- Fox 11 Stem to Steam Program in Conjunction with CESA7 – This will be televised on Fox 11, in addition to their website and Facebook pages.
- Throughout October, Fox 11 will be highlighting various manufacturers.

**The next STEM TF meeting will be on Wednesday, January 24, 2018 at The UTECH Group, 1535 American Ct., De Pere, 3:00 to 4:30 p.m.** Agenda items include the following.

- ✓ Establish 2018 Initiatives
- ✓ GRM Videos & 2018 Movie Premiere
- ✓ Einstein Project Partnership with NEWMA
- ✓ SeaPerch Competition – Saturday, February 27, 2018