

**NEW Manufacturing Alliance  
MATH COUNCIL MEETING MINUTES  
The Einstein Project – Green Bay, WI  
Wednesday, February 28, 2018 – 3:45 PM**

**ATTENDEES:** Andy Bushmaker-KI, Paige Dorn–Merrill Middle School, Kelly Ellis-Einstein Project, Chad Janowski – Einstein Project, Shannon Niccum-Nestle, Doug Schneekloth-Bonduel High School, Joe Turner–De Pere High School, Taryn West-K.R. West Co., Ann Franz-NEWMA, Debbie Thompson-NWTC

### **EINSTEIN PROJECT/NWTC MATH KIT DEMO**

Chad provided a hands-on activity to demo the NWTC/National Science Foundation fractions kit. A series of activities that starts with measuring allows the student to add, subtract, multiply and divide fractions. Machine shop tools are used with the video and info sheet. This kit can be used as a model to show how the videos can enhance the hands-on experience. Spreading the curriculum to other areas when possible is desired.

One of the challenges is to determine a school pricing structure to lease kits, as it is more cost effective than purchasing the kits. School attendees feel if the kits are done correctly, there would be a lot of value in utilizing them in the schools. Educators involved in the production of any kits would receive recognition within the kit.

Chad will create some postcards so the kits can be promoted in the high schools. Teachers will also be emailed to let them know about the kits. Ann shared that 40 teachers have registered on the GRM website and can be included in the marketing. NWTC will invoice The Einstein Project so they can continue building out the kit. Chad would like to get involved in the GRM discussions and filming. Ann will reach-out to Rachel Johnson in an effort to move forward.

### **GET REAL MATH (GRM) FILMING & PROMOTION**

Companies participating in the filming of 2018 GRM videos include; Georgia-Pacific, Kohler Co., Marinette Marine, TIDI Products, and Werner Electric. Math educators are encouraged to contact Ann if they are interested in writing a GRM lesson plan. Two meetings with the company to work on planning ideas, along with the filming date are required. Educators who write the lesson plans would receive the video by the beginning of August. At least one lesson plan needs to be completed for the October GRM Movie Premiere.

Top subjects for 2018 GRM videos:

- |                                       |                    |
|---------------------------------------|--------------------|
| ➤ Area, perimeter                     | ➤ Statistics       |
| ➤ Congruence                          | ➤ Radicals numbers |
| ➤ Cost equations                      | ➤ Transformations  |
| ➤ Histogram                           | ➤ Trigonometry     |
| ➤ Linear programming                  | ➤ Mode, median     |
| ➤ Modeling                            | ➤ Random sampling  |
| ➤ Optical lenses – grinding of lenses |                    |
| ➤ Quadratics                          |                    |

Educators suggested not making the films too long so kids lose interest, avoiding information overload. The breaks that allow for work time are a great way to have the student work on a part of the video before going on to the next section of the problem. The educators like that the videos have a variety of how the math problems are featured, from talking to the camera to play acting. **Educators are encouraged to contact Ann with any additional skills or ideas for the 2018 GRM videos.**

### **GRM Marketing**

- Market the videos to a key contacts (instructional design and department leads) at each of the schools, vs. sending an informational postcard to all of the regional math educators.
- Notify the Math Institute, including attendees of the summer Math Institute being held in Appleton.
- CESA, online math league, and related clubs can be part of the marketing effort.

- Market the GRM videos as an Academic Career Planning tool.

#### **MANUFACTURING FIRST EXPO & CONFERENCE (MFEC) – STUDENT EVENT**

MFEC for students will be held on 10/24/2018, 8:30 to 10:30 a.m. Organizers would like to focus on math classes and how math is utilized in various careers. Students will also have the opportunity to listen to the keynote speaker at 10:10 a.m. School bussing sponsorships are available. **Educators are encouraged to contact Ann if they are interested in having a class attend.** 500+ high school students will be in attendance.

#### **NEXT MATH COUNCIL MEETING**

The next Math Council meeting will be held in November 2018. Date/location/time are TBD.