

**NEW Manufacturing Alliance  
MATH COUNCIL MEETING MINUTES**

KI

March 29, 2017

4:30 to 6:00 PM

**ATTENDEES:** **Rebecca Brink**-Marinette Schools, **Andy Bushmaker**-KI, **Cyndi Cantwell**-Green Bay Area Public Schools, **Sarah Lackershire** – Rockline Industries, **Sondra LaCoy** – Nercon Eng. & Mfg., **Shannon Niccum** – Nestle, **Lynn Schaul**-New London MS, **Emily Teller** – FVTC, **Ann Franz**-NEWMA,

**Topic 1: Discuss math skills and focus for the 2017 Get Real Math (GRM) Videos**

Marinette Marine, Nercon Eng. & Mfg., Inc. and Rockline Industries will be participating in the 2017 GRM videos. One more company can also participate in the 2017 GRM videos.

Billie Rau will create the Rockline Industries lesson plan. Cyndi Cantwell has offered to create the Marinette Marine and Nercon lesson plans. The GRM timeline is as follows.

- ✓ April – initial meetings with company and curriculum writer.
- ✓ May – second meeting with finalization on script
- ✓ June - Filming
- ✓ Videographer has the next two months to produce the videos.
- ✓ Early August - NEWMA receives the videos. They then get sent to the participating companies for their approval.
- ✓ Early August - Videos get sent to the math teachers for the lesson plans.
- ✓ September 30 - One lesson plan from each company needs to be completed. The other lesson plans need to be completed shortly thereafter.

Ann distributed a handout with all of the Common Core math skills from 4<sup>th</sup> grade to high school. Review Common Core handout. There was a discussion on the skills that have a GRM video and identifying other skills that have not been addressed in previous videos.

**Top choices for skills to be featured in future videos:**

- |                      |  |
|----------------------|--|
| ➤ Quadratics         | ➤ Sampling                               |
| ➤ Statistics         | ➤ SPC Run Control Charts                 |
| ➤ Mean, median, mode | ➤ Exponential Growth Potential           |
| ➤ Deviation          | ➤ Create a Histogram, Prepare & Contrast |
| ➤ X, Y, Z axis       | ➤ Fractions                              |
| ➤ Linear equations   | ➤ Variability                            |
| ➤ Inequalities       | ➤ Tolerances                             |
| ➤ Velocity           | ➤ Ratios                                 |

Future video improvements/suggestions.

- Critiquing how an individual came up with their solution.
- Drafting 2d vs. 3d world
- Data analysis

**Topic 2: Upgrade for the Alliance's website for the GRM page**

A feedback form link has been added to the GRM page of the NEWMA website. The website will feature a search function for key terms. In addition there will be a dropdown box with all of the titles of the videos. There will also be another dropdown box with main topic areas found in the Common Core Standards spreadsheet. The updated website should be completed by May 1, 2017.

**Topic 3: Promotion of GRM to math teachers and review marketing piece**

Ann distributed a postcard for the council to review to market the videos to educators. Once the website is updated, the postcard will be sent out.

The Greater Green Bay STEM Network would like to partner with NEWMA, in an effort to enhance STEM offerings and not duplicate efforts. Kelly shared they are happy to support and partner with NEWMA. They are also willing to link GRM videos through their teacher portals and provide additional applications. Ideas included connecting students with an All Star through Skype. This would allow students to ask questions about their career. Various careers can be featured. Scheduled Skype sessions could also be used to facilitate answering any questions teachers may have about the GRM videos. Ann will contact Kelly to meet one-on-one to further discuss potential opportunities.

**Topic 4: An app feature for the Get Real Math videos**

Ann asked if the council believes an app for the GRM would be beneficial. After the discussion, the council feels Skyping would be more beneficial by having people featured in the GRM talk to students about their career

**Topic 5: Next steps**

Next meeting will be held in the fall 2017. The meeting concluded with a tour of KI.