

**NEW Manufacturing Alliance
K-12 TASK FORCE MEETING MINUTES
EMT International – Hobart, WI
Friday, April 15, 2016 – 8:30 to 10:00 AM**

ATTENDEES: Allyson Baue-ERC, Peter Behnke-CESA 8, Doug Bengson-Schenck, Tim Beno-Hometown Bank, Andy Bushmaker-KI, Kari Christoph-A to Z Machine, Megan Crary-Georgia-Pacific, Joe Draves-NWTC, Frank Hacker-Rockline Industries, Cathy Hendricks-Optima, Matt Kirchner-LAB Midwest, John Knickerbocker-CESA 8, Ashley Knutson-G.B. Chamber, Aaron Kocha-Exploring, Sondra LaCoy-Nercon, Emily Lukacs-GPS-ED, Michele Martin-Bemis Company, Bobbi Miller-FVWDB, Oran Nehls-Denmark H.S., Lori Peacock-GBAPS, Scott Rauscher-EMT Int'l, Andrew Rinke-FVTC, Jean Roskams-GPS-ED, Ann Franz-NEWMA, Debbie Thompson-NEWMA

STRATEGIC OBJECTIVES FOR 2016-2021

Members reviewed NEWMA's 5-year mission, vision and objectives.

GET REAL MATH: MATH TEACHER ADVISORY MEETING & NEXT VIDEOS

Ariens Company, Nercon Eng. & Mfg., Georgia-Pacific representatives and several teachers attended the math advisory meeting held last week. All of the teachers in attendance were at the 2015 Math Movie Premiere and expressed their excitement about the production of the new videos. Many students who viewed the completed videos have commented on realizing the importance of learning math, due to their real-life application focus.

The teachers were asked what considerations and improvements can be made for the next nine videos.

- ✓ Focus on the high school level – statistics, algebra, and geometry applications.
- ✓ Save the documents on the website in a Word document format, allowing for editing.
- ✓ Provide a handout with workspace so students have an established work area during the video pauses.

Filming will take place in June, with the Movie Premiere planned for early October.

NEWMA ACCREDITATION

The creation of a NEWMA certificate has been discussed over the last year and would involve developing further partnerships with schools. The Alliance is looking to package a certificate that would be granted to students who successfully complete the required training. Parents/guardians can be invited to a ceremony at the end of the school year to recognize the students who have completed the certificate. The ceremony can be followed by a mini job fair. Students who complete the certificate can be given extra points towards NEWMA scholarship opportunities.

NEXT STEPS

- ✓ Reach out to four technical colleges to determine dual credit at the high schools.
- ✓ Ann will email the K-12 Task Force to solicit members who are interested in participating on this work group.

FULL MEMBERSHIP MEETING FOLLOW-UP & PROCESS TO CONNECT EMPLOYERS TO SCHOOLS

Andy thanked everyone who helped plan and attended the March general membership meeting. The event had good content and generated a lot of positive comments.

Allyson asked "Is there a process to better connect employers with schools?" How does the Alliance make people aware as to what is happening and draw them to use what has been developed? People do not know all of the great things going on with NEWMA. Considerations and suggestions were as follows.

- Need a model of best practice.
- Develop the resources of what the Alliance has and how it does it.
- Have teachers identify students who may want to pursue a manufacturing career.
- Promote teacher externships, as they are very valuable. Provide a list of content experts who have done an externship, as many companies are not familiar with externships. CESA 8 working on an externship program.

- **Survey manufacturers on what schools they are involved with and what they are currently doing in regard to K-12 outreach. Establish who the content experts are so mentors can be developed. Develop a call to action, noting advantages for those involved.**

NEXT STEP

- ✓ Ann will develop a rough draft of the manufacturer survey for the May 6 meeting.

PARENT SURVEY ON MANUFACTURING

Ann distributed the results of a Deloitte and Manufacturing Institute sponsored survey. 90% of Americans believe manufacturing is very important to the economy; however, only 1 of 3 parents would encourage their children to work in manufacturing.

Regionally, it would be interesting to see how the NEW North compares. The thought is to conduct a survey. Suggestions were as follows.

- Work with the school systems in an effort to survey parents every two years.
- Target 20 to 50 schools in fall 2016.
- Survey the teachers.

NEXT STEPS

- ✓ Ann will bring to the May 6 meeting a draft of survey questions for review.
- ✓ Conduct the survey in fall 2016.

TECH ED TEACHER CRISIS

There are not enough tech ed teachers, causing programs to be dropped. WTEA does have a workgroup looking at this. The Steering Committee would like the K-12 Task Force to develop a subcommittee to work on this issue.

Considerations and suggestions were as follows.

- Direct scholarship money in an effort to transition teachers to become tech ed teachers.
- Have manufacturing employees work at their company part of the time and then the other part could be spent teaching in the high school(s). A licensed teacher is also needed in the classroom.
- Have NWTC instructors go into the high schools to teach.
- Offer retirees the opportunity to teach part-time.
- Identify what is needed to become a tech ed teacher from a variety of backgrounds (i.e. math teacher, engineer working in industry).
- Communicate with the state board that more options are needed to change the licensing.
- Develop a trainee program in partnership with the tech colleges and the universities.

NEXT STEP

- ✓ Ann will send out an email to solicit members for a subcommittee.

OTHER NEWS

Scott Rauscher shared that EMT International was contacted by an elementary school to schedule a tour. As a result, they have 56 elementary students coming next week. EMT will be providing hands-on activities for the students.

PLAN NEXT MEETING AGENDA, DATE & LOCATION

The next meeting of the K-12 Task Force is on **Friday, May 6, 8:30 to 10:00 a.m. at Nercon Eng. & Mfg.** Agenda:

- Get Real Math! Update
- NEWMA Accreditation
- Process to Connect Employers with Schools
- Parent Survey on Manufacturing
- Tech Ed Teacher Crisis