

**NEW Manufacturing Alliance
K-12 TASK FORCE MEETING MINUTES
Denmark High School - Denmark, WI
Thursday, November 19, 2015 – 8:30 to 10:00 AM**

ATTENDEES: Polly Abts-LTC, Tim Beno-Hometown Bank, Andy Bushmaker-KI, Derek Lineberry-Sargento, Emily Lukacs-GPS, Denee Mott-First Business Bank, Oran Nehls-Denmark H.S., Shannon Niccum-Nestle, Lori Peacock-GBAPS, Jennifer Rauscher-Plymouth H.S., David Schultz-Greater Green Bay Chamber, Ann Franz, Debbie Thompson

DENMARK HIGH SCHOOL/KI PROJECT – STUDENT PRESENTATION

Three seniors from Denmark High School's metals course presented and summarized their project and partnership with KI. Their class split into three teams, with the goal of each team to create a press that assists with the installation of casters at KI. Each design was an effort to manufacture a machine that is safer, faster, and more cost-effective than KI's current installation method. Teams then united and took ideas from the three presses and made one final press.

KI staff has been engaged and teaching employability skills to the class. Andy shared that the school requested that all of the employability skills modules be taught on the frontend of the class and not throughout the semester. The staff is very impressed with the enthusiasm of the students, as the press has potential for real-life application. A prototype has been constructed and will be presented to KI staff on Tuesday, 11/24. KI will then cost out the press and if it is under \$10,000, the students will build it out of steel with KI's safety assistance.

The students found the partnership with KI to be very engaging and educational. As a result, many of the students are seriously considering and/or pursuing manufacturing careers.

MATH VIDEO PROJECT & PREMIERE EVENT

The Math Premiere on September 30 at the Meyer Theatre was a great success. The following are comments regarding the event.

- 73 different schools were represented, with 250 people in attendance. Some attendees traveled over 60 miles, with participants as far as Fond du Lac and Florence.
- A number of private school attendees expressed appreciation for being invited.
- Great conversations took place amongst attendees.
- Many thank you notes were received with positive comments about the event; including the teachers appreciating the red carpet.
- Six more videos are to be debuted.
- 4-5 teachers expressed interest in participating on the math video advisory committee.

Next Steps

- ✓ Ann will send an email to attendees to let them know the videos and lesson plans are on the NEWMA website.
- ✓ In the future, companies will need to pay for the filming of their math videos.
- ✓ In January, review the current math videos.
- ✓ Meet with educators to determine the Common Core skills they would like to have covered.
- ✓ Ann will send an email to member manufacturers to survey their interest in filming a math video.
- ✓ Meet with the math advisory committee in spring to share initial thoughts.

A suggestion was to link a poll on the website to help determine needs. Participants could be entered in a prize drawing in an effort to encourage participation.

EXCELLENCE IN MANUFACTURING/K-12 PARTNERSHIPS AWARDS

The 2015 awards dinner was sold out. There were 360 attendees vs. 306 last year. \$12,150 was raised for college scholarships vs. \$10,000 last year. The event was a success and will be held again in October 2016. Comments for next year's event included limiting speeches to 1-2 minutes and enabling more people to register the day of the event.

MANUFACTURING FIRST EXPO & CONFERENCE (MFEC) STUDENT OUTREACH

This year's MFEC had 179 exhibitors and 1,325 registrants. In addition there were 500 high school students, representing 10 different schools, in attendance. Comments included the following.

- Internationally renowned speaker, Ryan Estis, received great reviews. Many students emailed and tweeted Ryan with how impactful his speech was. Ryan posted some of the students' comments on social media.
- Ryan Estis and the exhibitors enjoyed interacting with the high school students.
- Many students reportedly came back to their schools' excited about the event.
- The student event ran smoothly. Students will be asked to attend again next year.
- WMEP sponsored the student bussing.

Next Steps

- ✓ For 2016, invite 500 students again. Consider inviting more students in the future, based on how much interaction the exhibitors can handle. The conference room can handle up to 800 attendees.
- ✓ Have schools continue to select students for the event, as these students tend to be more engaged.

MANUFACTURER/EDUCATION SUMMIT

Andy distributed a compilation of notes from each of the event tables. Comments included the following.

- Have students tour a manufacturing site and do their academic planning there.
- Target students and parents together. Getting information firsthand from people working in the industry is critical for students/parents to hear.
- Get parents engaged sooner. NEWMA has done a great job addressing middle/high schools but needs to address elementary students more. It is exciting that parents are interested in elementary school to make their child career ready.
- Help students find their passion and purpose. What do they get excited about?
- Continue to tackle ACP and career strategies.

SOUTHWEST HIGH SCHOOL PRESENTATION

All Stars, manufacturing and education representatives, including CEOs, discussed how math is a vital part of their career. Over 900 students were presented to throughout the day. Some students were engaged, while others were not. This was a great opportunity to speak to a large group of students; however, the day-long event was challenging on the speakers. Adjustments will be made for future presentations.

NEXT STEPS AND MEETING LOCATION

The next NEWMA K-12 Task Force meeting will be on **Friday, January 15, 8:30 to 10:00 a.m. at Plymouth High School.** Agenda items include; 1) Set 2016 Objectives, 2) Math Videos, and 3) Denmark High School/KI Project Update.