

**NEW Manufacturing Alliance  
STEM TASK FORCE – WEBEX MEETING MINUTES  
Thursday, February 11, 2021 – 3:00 to 4:00 PM**

**ATTENDEES:** Carol Bredesen-Amcor, Andy Bushmaker-KI, Carol Couillard-Paper Discovery Center, Chad Janowski-Einstein Project, John Katers-UW-Green Bay, Steve Meyer-FVTC, Linda Osterloh-Jacobs Engineering, Laurie Probst-Sheboygan Falls MS, Dennis Rockhill-Einstein Project, Jenna Starry-GBAPS, Christina Stelter-Menasha Corp., Jill Thiede-NWTC, Anne Troka-Sargento, Haley Vandenhouten-Jacobs, Pam Blazei-NEWMA, Ann Franz-NEWMA, Debbie Thompson-NWTC

Carol Bredesen was introduced as the new STEM Task Force co-chair. Ann and Carol will collaborate to continue the great work that has been done by the Task Force.

**VIRTUAL PLANT TOURS**

Tomorrow is the deadline to submit a virtual plant tour recording. The following companies have submitted their tour. A few additional companies may be sending a video in time for the February program launch.

Virtual Plant Tours - Recorded Submissions			
Bassett Mechanical	Georgia-Pacific	Optima Machinery Corporation	Wisconsin Aluminum Foundry
C3 Corp.	Great Lakes Custom Tool	PCMC	Parker
Fosber America	Great Northern Corp.	Pioneer Metal Finishing	
Fox Valley Metal-Tech	KI	Rockwell Automation	

Pam shared the promotional sheets and Google Doc (directory of videos) she created that will be shared with the educators. The flyer promotes the videos and has a QR code for easy access to the Google Doc and video information. A ‘Manufacturing Plant Tour Review’ sheet summarizes the video content, provides a video link, in addition to a video quiz question and answer. There is also a parent/guardian letter so students can share what they learned, adding to the awareness piece. Some of the videos will also be hosted on the Alliance’s website and YouTube channel.

The age range for the videos is grades 6 through 12. Members decided the virtual plant tour information should be sent to all the regional educators (counselors, tech ed, math and science, etc.), in addition to groups such as Inspire, Junior Achievement, YMCA, PLTW, Boys & Girls Club, home school groups, etc. The distribution timeline for the videos/worksheets is February 23, 2021.

Steve Meyer suggested creating a generic completion certificate that allows a student to type their name and video information. The school can then upload the certificate to Xello or whatever platform they are using. Ann will check to see if she can load information on Inspire.

**GET REAL MATH / GET REAL SCIENCE**

Sponsorships for this initiative have been filled.

Get Real <u>Math!</u> Sponsors	Get Real <u>Science!</u> Sponsors
Carnivore Meat	Georgia-Pacific
Robinson, Inc.	McCain Foods
	Plexus

So far, The Einstein Project reps (science) and Joe Turner (Robinson, Inc. math), of De Pere High School, are writing the lesson plans. **One more math teacher is needed to write the lesson plan for Carnivore Meat. Members are encouraged to contact Ann if they are interested or know of someone who could write the lesson plan.** Ann will also be contacting regional math teachers in an effort to fill this need.

**GRM / GRS Premiere**

The goal is to host the event live in-person this fall. It is hoped that by July there will be more clarity to confirm the Premiere’s modality.

**THE EINSTEIN PROJECT HANDS-ON OPPORTUNITIES – CHAD JANOWSKI & DENNIS ROCKHILL**

At January’s STEM Task Force meeting, members discussed the possibility of hosting a virtual ‘Take Your Child to Work Day’ (April 22, 2021) activity this year. NEWMA could purchase kits and have companies distribute them to their employees with interested kids. A live online build event could be hosted.

Dennis discussed an event they were recently involved in with Cummins. 200 kits were created by The Einstein Project and sent to three of Cummins’ locations. Dennis trained three of their event facilitators for the build. Employees and their children participated virtually. The event was tremendously successful, with many participants asking for more projects. Although it was a virtual event, that did not detract from its success.

Chad and Dennis are working to promote and encourage creativity in the workplace. The Einstein Project kits have been created to use in workshops and the classroom. A list of their engagement opportunities was shared that can include a virtual experience for companies and their families. Innovative solutions allow students to be creative with any of their opportunities.

**Einstein Project Flyers**

Einstein Project Engagement Opportunities	
<p><b>Creativity Blitz</b> Project/creative session for employees and family</p>	<p><b>Company Sponsorship</b></p> <ul style="list-style-type: none"> <li>• <u>Volunteers</u> – Provide a team of volunteers to participate at events or at Einstein Project</li> <li>• <u>Community Events</u> – Provide funding for a mobile makerspace event in your community</li> <li>• <u>Workshop scholarships</u> – Provide funding for scholarships that give access to workshops to those that may not normally be able to attend.</li> </ul>
<p><b>Creativity Scrimmages</b> Challenges that practice the team dynamics of innovation</p>	
<p><b>Mobile Makerspace Event</b> Makerspace on a truck – STEAM activities to enhance your employee/family events</p>	
<p><b>Youth Outreach/Engagement Consultation</b> We work with you to design experiences to elevate company/career awareness at youth-engagement events.</p>	<p><b>Corporate Makerspace Memberships</b></p> <ul style="list-style-type: none"> <li>• Signup for a corporate makerspace membership that provides access to our makerspace for your employees.</li> <li>• Prices TBD by number of employees</li> </ul>
<p><b>Contact: Dennis Rockhill   dennis@einsteinproject.org   920-884-8800 #2</b></p>	

Dennis shared Einstein Project’s **Creativity Blitz** opportunities. Each kit is a 2 hour session, \$35 per family. Hands-on opportunities include; a swivel plane, propeller boat, gear-driven car, and an automaton. **Creativity Scrimmage** details are also included on the [link](#) Chad provided.

Partnering with the companies for the ‘Take Your Child to Work Day’ project and its cost was discussed. Participating employees could be asked to pay for part of the project’s cost, giving additional incentive for project completion. This year’s event will serve as a pilot for K-12 and STEM Task Force members. This could also be a great starting point for companies that are currently not participating in ‘Take Your Child to Work Day’. Pictures of the finished kits could be shared on the Alliance’s Facebook page. The agenda for the April 22<sup>nd</sup> event:

1. Welcome
2. Discussion on how to build the kit
3. Offline for child and parent to complete the kit with parents sharing information about their job, company information and jobs within the company.
4. Parents and students will come back online to show off their project and learn about careers in manufacturing.

Companies will have the option to host the event on their own or have it as part of a larger manufacturing event. Ann will email K-12 and STEM Task Force members to gauge their interest. NEWMA will help fund the kits, in addition to asking participating companies to share in the cost. Depending on the results of this year’s pilot, more could potentially be done in 2022.

## **WOMEN IN STEM - 2021 EVENTS**

Ann is working with the Girl Scouts on a hands-on boat build for March. After the project is done, she will report how the project went and share opportunities for future Girl Scout partnerships.

## **UPCOMING ALLIANCE EVENTS**

- February 19, 8:30 – 10 AM: 'Starting or Enhancing Your Youth Apprenticeship Program' Workshop
- February 23, 8:30 – 10 AM: HR Leaders - Retirement Readiness Seminar
- March 2, 8:30 – 10:30 AM: NEWMA Quarterly Membership Meeting focused on Recruitment/Retention
- May 4: 9<sup>th</sup> Annual Excellence in Mfg./K12 Partnerships Awards at Stone Prairie
- October 26: ACP Partnerships Meeting
- October 26: 10<sup>th</sup> Annual Excellence in Mfg./K12 Partnerships Awards
- October 27: Manufacturing First Expo & Conference
- November 4: Internship Draft Day

## **NEXT MEETING DATE/TIME/AGENDA**

The next STEM Task Force WebEx meeting is on Wednesday, April 28, 2021 at 3 p.m. Agenda:

- ✓ Virtual Plant Tours
- ✓ Get Real Math/Science
- ✓ Take Your Child to Work Day
- ✓ Women in STEM Events
- ✓ Upcoming Alliance Events
- ✓ Next Meeting Date/Time/Location/Agenda