

NEW Manufacturing Alliance
K-12 OUTREACH TASK FORCE – MS TEAMS MEETING MINUTES
Friday, February 17, 2023 - 8:30 AM

ATTENDEES: Allyson Baue-NWTC, Renee Becker-Blau-FIRST® Wisconsin Robotics, Valerie Brooks-CESA 8, Amy Charais-LaForce, Kristin Comerford-AASD, Julie Davids-Oshkosh Chamber, Joel Evenson-CESA 7, Arrow Guetschow-Brown County First® Robotics, Ben Krull-Wolf River YA, Pete L'Empereur-AK Crust, Chris Lipski-Vantage/Abaxent, Sara Peotter-Belmark, Vicki Porior-OASD, Andy Preissner-Heartland Label Printers, Melissa Samuels-Brown County First® Robotics, Melissa Schultz-SPVG, Christina Stelter-Alliance Laundry Systems, Marianne Stevens-Brown County First® Robotics, Mark Weber-EMT International, Corey Wollin-CESA 7, Ann Franz-NEWMA, Debbie Thompson-NWTC

WISCONSIN & BROWN COUNTY FIRST® ROBOTICS PRESENTATION

Renee Becker-Blau, FIRST® Wisconsin Robotics

Arrow Guetschow, President Brown County FIRST® Robotics | arrow@lakeshorefirstrobotics.org | 920.905.5666

Melissa Samuels, Director Brown County FIRST® Robotics | legomomsgb@gmail.com | 920.858.6652

Marianne Stevens, Director Brown County FIRST® Robotics | mstevenseng@gmail.com | 920.445.5076

March 11 – First Tech Challenge State Championship | Kress Events Center at UW Green Bay

FIRST® is a non-profit robotics community preparing young people, pre-K through high school, for the future. Their goal is to inspire young people to be innovators, science and technology leaders, by engaging them in exciting mentor-based programs that build science, engineering, and technology skills. Manitowoc County's FIRST® program has experienced a significant increase in student participation, with an estimated 200 student participants for 2023. The organization is looking to grow its reach to the Brown County area.

FIRST® LEGO® League | Grades Pre-K - 8

Students engage in hands-on STEM experiences using LEGO® education bricks and technology. They build habits of learning, confidence, and teamwork. The LEGO® programs help students learn about sensors, coding, while becoming increasingly technical.

- K-3rd grade students get a weekly learning challenge. Legos are used to build a wind turbine and small car. They present their information to a group of judges.
- Grades 4-8 design and build a robot. Participants reach out to the community to understand career job duties.
- Grades 7-12 tech challenge requires a team build a robot that moves. Participants collaborate with leaders and educators.
- Grades 9-12 raise their own funds to build a massive robot. These teams have been very successful.

FIRST® Tech Challenge | Grades 7 - 12

Teams design, build, and program robots. They develop strategy and engage in thrilling, head-to-head competition. The robot kit is reusable and coded in a variety of languages. Adult coaches and mentors guide students. Students develop STEM skills, practice engineering principles, and realize the value of innovation and teamwork.

FIRST® Robotics Competition | Grades 9 - 12

Teams compete with 125 pound robots, combining the excitement of sport with the rigors of science and technology. An action-packed themed field game is played in an alliance format. Each team develops a brand, raises funds to meet its goals, and works to promote STEM in the local community.

The events and competitions help bring it home. The goal is to create a pipeline that keeps engineering, marketing, and sales professionals here by educating in Brown County, supporting the manufacturing sector. Needs of Brown County's FIRST® Robotics program include mentors, funding, and space. Cost is \$40 as a suggested donation per student. Donor companies will be recognized in their marketing materials. Members are encouraged to contact today's presenters if they would like more information.

SCHOOL CONTACT LIST

Alliance members have expressed interest in engaging with schools but are unsure who to contact. A contact list is being created to help manufacturers connect with regional schools. Members reviewed the survey that will soon be sent to the schools to generate this information. Eventually, this list will only be done in fall, with Ann sending the information the same time as the ACP planning meeting info. The education contacts will be added to the NEWMA website.

GET REAL MATH & SCIENCE VIDEOS

Two \$5,000 sponsors are needed to fund two science and two math videos. Instructors work with the sponsor companies to identify problems and create the lesson plans. Filming takes place in June, while the Premiere is held in October. Sponsorship funds also provide \$500 prizes awarded to a school's math, science, or tech ed department. At last October's Premiere, EMT International won the filming of two GRM/S videos for this year.

In addition, Ann has an opportunity with the Girl Scouts. 50 to 70 Girl Scouts (4th to 6th Graders) can be hosted at a company on Saturday, 10/21/2023 morning. Girls would rotate three stations. Completers would receive a participation badge. The Girl Scouts would help determine hands-on activity ideas. There is no cost for a company to host the event. Members are encouraged to contact Ann if they are interested in serving as a host site.

EMPLOYABILITY SKILLS VIDEOS

A K-12 Task Force subgroup will be formed to work on the videos. 10-20 member companies will be needed for each video. Between each tip, a company will discuss their industry. The cost to participate is \$500 per company. The videos will be filmed this summer and debut at October's Get Real Math/Science Premiere. Contact Ann by March 15 if you and your company would like to participate.

'HOW TO TALK TO YOUR CHILD ABOUT CAREERS' PARENT PAMPHLET

NEWMA companies employ 70,000 workers, many of them being parents. With this in mind, an electronic flyer will be created to educate parents about how to talk to their child about careers. The flyer will include links to resources – DPI/government career websites, in addition to Inspire/Xello. The flyer will be launched in October – manufacturing month.

UPCOMING ALLIANCE EVENTS

- February 22 NEWMA Lunch & Learn – Change Management
- March 3 Winning with Wisconsin's Workforce - FVTC, 8:00 to 9:30 AM
- March 8-10 [WTEA Conference](#) – Wisconsin Dells
- March 14 Quarterly Full Membership Meeting (Virtual), 8:30 to 10:00 AM
- March 21 You Can Make It Career Expo - Greenville Middle School
- April 1 SeaPerch Underwater Competition – Ashwaubenon Community Pool – Volunteers are needed.

NEXT MEETING

The next K-12 Task Force meeting is being planned as an in-person gathering on 4/21/2023, 8:30 to 9:30 a.m. Location is TBD.