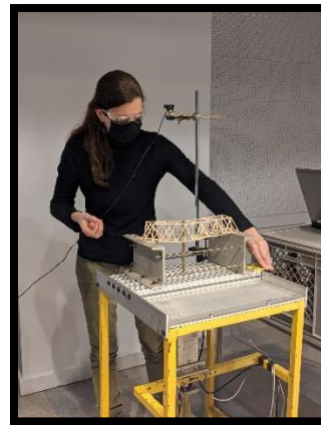




Maryland Engineering Challenges 2022 Wood Bridge Challenge High School Level – Grades 9-12

Supported By:
American Society of Civil Engineers and Maryland Society of Professional Engineers

Engineer Contact:
Michael Newman—conradnewman13@gmail.com



Important Dates

Coaches' Information Session

⇒ **Thursday, October 14, 2021** **3:30 to 4:30pm OR 6:30-7:30pm**

This “drop-in” virtual event hosted on Zoom is designed for adults interested in coaching a team to chat with engineers. Find out if a particular Challenge is a good fit for your student(s). The Coaches' Information Session is not required and there is no cost. Attendance is strongly encouraged. Contact Jessica at challenges@thebmi.org with questions. Register for the information session: <https://bit.ly/2022MECInformationSession>

Registration

⇒ **Friday, January 14, 2020** **Prior to 4:00 p.m.**

In order to be a registered team, each team must have their adult Coach do the following:

- Register online at <https://bit.ly/MEC2022Registration>
- AND pay a \$5 Coach's Fee, details at <http://bit.ly/MECcoachfee>

Wood Bridge Competition

⇒ **Saturday, February 5, 2020** **Doors open at 8:00 a.m.**

Competition will be at the Baltimore Museum of Industry. Full details about the Challenge will be emailed to Coaches after the registration deadline. Competition event subject to state of pandemic, could pivot to virtual.

Questions about Challenge specifications or judging should be sent to the Engineer Contact:

Michael Newman—conradnewman13@gmail.com

Other questions?

Jessica Celmer challenges@thebmi.org

FREQUENTLY ASKED QUESTIONS:

- Q: What rules will the competition be using?
 - A: We will be following the International Competition rules this year, which can be found at <http://bridgecontest.phys.iit.edu/>
- Q: What is the overall premise of the competition?
 - A: Competitors are to construct the most efficient basswood bridge that spans approximately a 1' gap.
- Q: Where can I purchase the materials to construct my bridge for the competition?
 - A: The wood must be 3/32-inch square cross-section basswood and can be purchased online at Amazon or Walmart.
 - Materials can also be purchased at Blick Art Materials website: <https://www.dickblick.com/>
- Q: Is this an individual event or can competitors work in groups?
 - A: Any amount of people may be represented by one bridge entry. However, the bridges that qualify for the international competition must be represented by one person only.
- Q: How many bridges can I test?
 - A: Individuals can only submit one official bridge. All others will be tested, but the competitor must select which bridge will be official while registering their bridge during check-in.
- Q: There are barriers preventing me from participating.
 - If there are any barriers preventing you from participating, please reach out so we can overcome these challenges together. We would love to find solutions to make this program meet your school's needs.