



Maryland Engineering Challenges™
2011
Maryland Wood Bridge Guide

Supported By:

American Society of Civil Engineers
Maryland Society of Professional Engineers

Level:

High School—Grades 9-12

Important Dates:

Coaches' Information Session
Thursday, November 11, 2009
4:00 p.m. – 7:00 p.m.

Competition Date
Saturday, January 15, 2011
9:00 a.m. – 2:00 p.m.

Snow Date
TBA

Important Information:

All Maryland Wood Bridge activities will be held at:
Baltimore Museum of Industry, 1415 Key Highway, Baltimore MD 21230

For information about engineering requirements, visit the Maryland Wood Bridge site
www.marylandwoodbridge.org or contact Mandy Schindhelm at info@marylandwoodbridge.org

Although walk-in participants will be accepted at the competition until noon, registration is **STRONGLY** encouraged and students who are registered will receive a **FREE** snack and beverage on competition day.

For registration information or general questions about the Maryland Engineering Challenges, contact Melinda Cané at mcane@thebmi.org. Detailed information about the competition event will be sent to registered Coaches after the registration deadline.

To register a team, adult Coaches should go to <http://tp1.clearlearning.com/hshealey/EC.tp4>. Please note there is a \$5 PER COACH registration fee. Only one Coach is needed per team, although a team may have as many adult helpers as needed.



The Challenge:

Division I: International Rules

Division II: Maryland Tech. Ed. Rules

The object of this contest is to see who can design, construct, and test the most efficient bridge within given specifications. Model bridges are intended to be simplified versions of real-world bridges, which are designed to accept a load in any position and permit the load to travel across the entire bridge. In order to allow the contest to proceed in a reasonable amount of time, only one loading position is actually tested.

PLEASE NOTE: The 2011 Maryland Wood Bridge specifications will be available on the Maryland Wood Bridge Challenge website at www.marylandwoodbridge.org as soon as they become available from the International Committee.

Students who place first or second in Division I: International Rules are eligible to register for the International Bridge Building Contest. Information will be provided at the Maryland competition.

In addition to the standard International Rules, a Division II: Maryland Tech. Ed. Rules challenge has been added to allow teachers to enter students' structural technology bridge projects in the event. Information regarding this activity is available in the ITEEA Foundations of Technology curriculum.

Each division will be judged separately.

GOOD LUCK TO YOUR TEAM!