OTHER IMPORTANT DATES

Coaches' Information Session

Thursday, May 26, 2016
4:00 p.m. to 7:00 p.m.
OR
Thursday, November 17, 2016
4:00 p.m. to 7:00 p.m.

Interested in the Challenges but not sure what to do? Drop in throughout this evening and learn more! Meet the engineers who judge each Challenge. They will answer questions, explain the requirements, and demonstrate past projects. A great way to select the best Challenge for your team! The Information Sesion is not required and there is no cost to participate. Registration is strongly encouraged, contact jkeffer@thebmi.org

Coaches' Hands-On Workshop

Saturday, January 28, 2017
10:00 a.m. to 2:00 p.m.

Learn the paractical aspects of select Challenges! Work with engineers to explore the design and construction aspects of a project. Especially helpful for first-time Coaches and/or those with little previous engineering knowledge. This Workshop is not required and there is no cost to participate. Registration is required prior to 1/25/17. Contact jkeffer@thebmi.org

Check indiviual Challenge guides for participation details or visit www.thebmi.org

MARYLAND ENGINEERING CHALLENGES - 2017 -

Future City	January 21
Wood Bridge	February 4
Cargo Airplane	February 5
Paper Airplane	February 12
Theme Park	February 18
Safe Racer	March 11
Hovercraft	April 22 at MSU
Robot	April 22 & 23
Cargo Ship	April 23
Straw Bridge	April 29

Sponsored by:
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Baltimore Museum of Industry
1415 Key Highway, Baltimore MD 21230
www.thebmi.org 410.727.4808

BALTIMORE MUSEUM OF INDUSTRY

MARYLAND ENGINEERING CHALLENGES - 2017 -

Elementary School Level

Paper Airplane
Grades 1 to 5

Design a paper airplane to safely fly a paper-clip "passenger" as far and accurately as possible.

Theme Park
Grades 4 and 5

Construct a moving theme park ride, based on a literature curriculum reading.

Safe Racer
Grades 2 and 3

Build a safe and speedy car to allow the "driver," Eggbert[a], to survive a crash test and distance trial.

Middle School Level

Future City
Grades 7 and 8

Design a city of the future using SimCity software and create a model of one area.

Cargo Airplane
Grades 6 to 8

Construct an electric airplane to fly tethered flights with and without cargo.

Hovercraft
Grades 6 to 8

Build the fastest hovercraft to travel across the "Chesapeake Bay."
Challenge takes place at Morgan State University

Straw Bridge
Grades 6 to 8

Construct a plastic straw bridge to support a scale model truck for one minute.

High School Level

Cargo Airplane
Grades 9 to 12

Construct an electric airplane to fly tethered flights with and without cargo.

Wood Bridge
Grades 9 to 12

Design a structurally efficient bridge to hold the maximum load before breaking.

Robot
Grades 9 to 12

Construct a two or four leg robot to walk under direction over uneven terrain.

Cargo Ship
Grades 9 to 12

Design and demonstrate a ship to carry containerized cargo over a water course.