

Imagine the Possibilities



***Sailing
E-Day High School Competition
Herff College of Engineering
The University of Memphis
16 November 2007***

The competition is designed to test the ingenuity of the team in designing a aquatic vehicle for speed and stability.

The winning team will have \$200 donated to their sponsoring school or class. The second place team will get \$100 donated to their sponsoring school or class and the third place team will get \$50 donated to their sponsoring school or class.

To register your team and to get event times, please visit the web site at

www.engr.memphis.edu/EDAY2007

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Herff College of Engineering
Friday, November 16, 2007
9 a.m. until 6 p.m
Engineering Administration Bldg.

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Sailing

Contest Description:

Teams will race boats in fixed container of water to determine which boat can cover 8 feet in the shortest amount of time. Details are given below:

BOAT:

1. Maximum length of the boat is 15 inches.
2. Must be built by the team.
3. Cannot be built from a kit.
4. Cannot be purchased as a readymade item.
5. Maximum width of the boat is 5 inches.
6. Maximum draft of the boat is 3.5 inches.
7. No part of the boat can touch the water container.
8. Must be self propelled and cannot use any remote controlled devices.
9. No more than two 1.5-volt batteries can be used to power the boat.
10. Maximum height of the boat structure (including any method of propulsion) is 10 inches.

Please send any questions about the competition to
Dr. Charles Bray
cbray@memphis.edu

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WATER CONTAINER:

The water container will be a section of PVC pipe, 8 inches in diameter, with end caps. Water in the pipe will be at least 4.5 inches deep. The pipe will be cut open at the top to allow the boats to move from start to finish.

Contest:

Teams will be allowed three attempts for their boat to race. Times and distances will be recorded. The longest distance for each team and the time required to cover that distance will be recorded and used to determine the winner. The winner will be the boat that covers the longest distance in the shortest amount of time. When a boat hits the water container and stops, that run will be ended. Boats that hit the container and continue to move toward the finish line are still in the race until they stop or cross the finish line.

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