



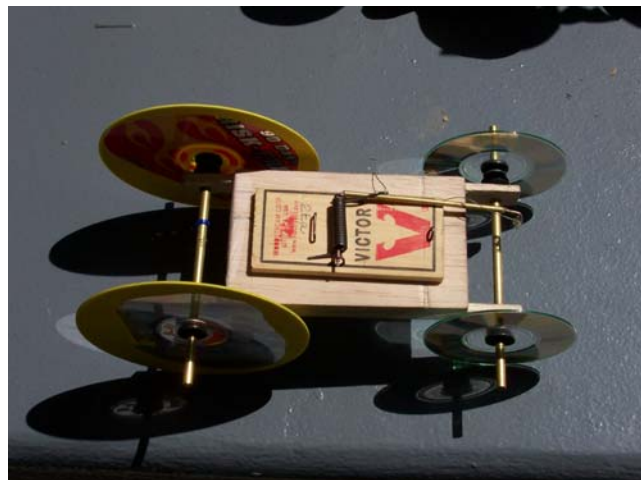
Broward County SECME

SECME: The competition.

Students may participate in all events, or choose to participate in single events. There is no penalty for not participating in all events in a SECME competition. The Coordinator at each school has all the details and design criteria for each project.

The Mousetrap Car:

Students may choose to design and compete with a mousetrap car. The mousetrap car has weight restrictions and specific design guidelines. In the competition, the distance traveled is measured. Cars that are light-weight, and travel the furthest win.

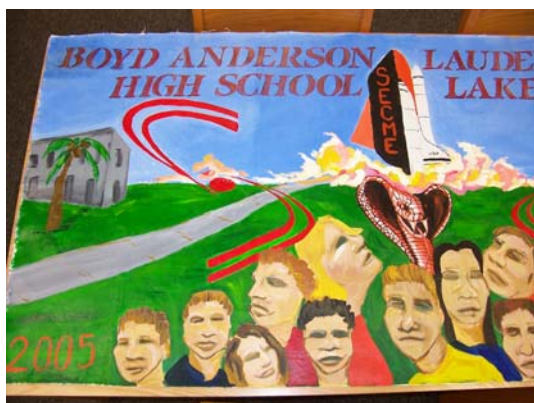


The Balsa Wood Bridge:

Students may choose to design a bridge that is able to withstand a high weight load. The bridges have specific guidelines for mass, length, width and height. The design is totally open to the students, and any design is welcome in the competition. During the competition, a bridge crusher is used to apply weight to the bridge until the bridge "fails" or breaks. The winning bridge uses the least amount of construction materials and is able

to withstand the greatest amount of weight before breaking.

The Bottle Rocket: Students may choose to design a rocket built from a 2 liter soda bottle and any other materials they may decide to use. The only design requirement is that it must be built from a 2 liter soda bottle. In the competition, the bottle is launched with compressed air. The altitude achieved is measured, and the time in the air “hang time” is measured. Winning rockets are able to achieve the highest altitude and remain in the air the longest. The Coordinator at each school has the exact design criteria.



Student Art Work: Students may submit individual papers written on a SECME theme. They may also submit an artistic representation of the year’s theme. Projects are judged by language arts specialists and art professionals. Criteria for the papers, and artistic representations are provided to the SECME coordinator at each school. The papers are individual submissions. The artwork may be both individual or group efforts.

The Brain Bowl:

A team of students may wish to prepare for an event of mind against mind. Students from SECME schools will compete in a live forum to answer questions related to science and engineering. Students are able to compete as a team, and are able to “buzz in” their answers. Winning teams score the most points from the number of correct answers given.

