

Cardboard Boat Race



What is the Cardboard Boat Race?

Armed with cardboard, duct tape and a few other odds and ends, students use skill and ingenuity to transform these materials into a vessel for the water. Not only does their "boat" need to be quick, but it must be capable of carrying passengers as well.

The Challenge

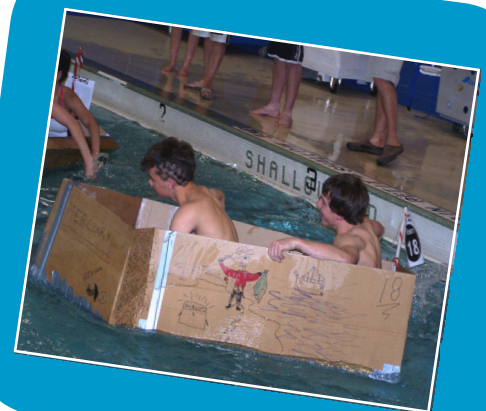
Teams of four students (from the same school) will design and construct a boat and participate in both a race and a weight challenge in a pool. Students will be given the materials to construct the boat, and will have 2 hours of building time.

The boat should be solidly constructed and easy to race. The propulsion must come from members of the team paddling down (hands only) the race course. Boats will be judged on design, quality of construction, teamwork/organization, safety/cleanliness, visual appeal, speed and weight capacity. Each race and weight challenge will be timed and recorded by our panel of judges.



Who is it geared for?

Grade 10, 11 and 12 students who are up to the challenge. Those who participate have a great time! The experience helps develop new skills, in addition to strengthening their leadership, teamwork and problem solving ability.



Who is Skills Canada Manitoba? Skills Canada Manitoba is a not-for-profit, charitable organization that works with youth, parents, communities, industry and government to increase awareness of the rewarding careers available in skilled trades and technology.

October 21, 2009

What is the cost?

Each team is responsible for a **\$75.00** team entrance fee which includes:

- Two 4' x 8' sheets of cardboard
- String – 25 ft.
- One large paper clip
- One 48 mm x 54.8 m roll duct tape
- One 500 ml can of Contact Cement
- Two pair protective gloves
- One paint brush
- One "Surprise" item provided at event

Lunch for each participant will be provided.
(Please note that lunch is not included for advisors but may be purchased for \$7.50)

Teams are responsible for:

- Straight edges/rulers of any length or size
- Tape measures
- Cutting devices
- Pencils/pens
- Decorations to enhance the design
- Suitable attire to race in pool

Schedule for the Day

| | |
|-----------------|--|
| 9:00am-9:30am | Arrivals and Registration |
| 9:30am-9:45am | Announcements/Instructions |
| 9:45am-10:45am | Boat Construction |
| 10:45am-10:55am | Break (advisors may consult with team) |
| 10:55am-11:55am | Boat Construction |
| 11:55am-12:40pm | Lunch (provided) |
| 12:40pm-1:00pm | Boat touch ups/move to pool area |
| 1:00pm-2:30pm | Races/Weight Challenge |
| 2:30pm-2:45pm | Evaluation |
| 2:45pm-3:00pm | Race Results and Awards |

*Please note that this event will be held at the 17th Wing Fitness and Recreation Centre, 680 Whytewold Road (St. James), Winnipeg



Awards

- **Best in Class**, to be a combination of the weight challenge, course time and design
- **Best Design**
- **Weight Challenge**
- **Best Time**



Send completed registration forms and fees to:



Skills Canada Manitoba

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