

# 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.

# December 5, 2018

## What is the cost?

Each team is responsible for a **\$80.00** team entrance fee which includes:

- Two 4' x 8' sheets of 1/4 " cardboard
- String – 25 ft.
- One 48 mm x 54.8 m roll duct tape
- Two 237 ml bottles of Pres-Tite Green Contact Cement
- Two pair protective gloves
- One paint brush

Lunch for each participant and one advisor will be provided.

### 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



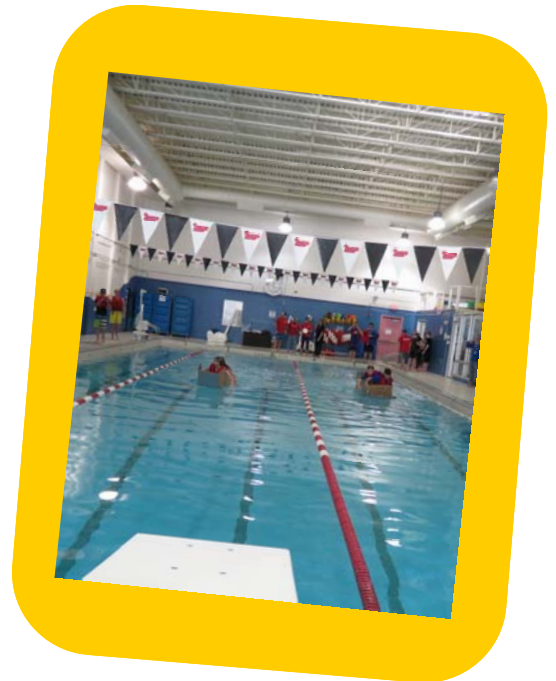
## Awards

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

## 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 17 Wing Fitness and Recreation Centre, 680 Whyteford Road (St. James), Winnipeg



## Send completed registration forms and fees to:

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