

# 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 19, 2011

## 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 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

Lunch for each participant will be provided.  
(Please note that lunch is not included for advisors but may be pre-ordered 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

\*Please note that the \$80 team entrance fee must be received by the Skills office by **October 7, 2011**.

## 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 Whytefold 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  
Unit 31-1313 Border Street  
Winnipeg, MB R3H 0X4

Phone: (204) 927-0250  
Fax: (204) 927-0258  
E-mail: [lorir@skillscanada.com](mailto:lorir@skillscanada.com)  
Website:  
[www.skillsmanitoba.ca](http://www.skillsmanitoba.ca)



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