

HCM Homecoming 2017



Cardboard Boat Construction and Race Contest



Time and Place: Old Mackey Park, Saturday, July 1 and Sunday, July 2, 2017

- Registration up until 1:00 p.m. Saturday, July 1.
- Boat making on Saturday 1:30 – 3:30.
- Races to take place Sunday at 1:00.

Challenge: Armed with cardboard, duct tape and a few other odds and ends, teams will use their 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. Boat decorations and crew costumes are encouraged - use your imagination.

Teams: Groups of up to four people, all ages, will work together to create their cardboard boat. Teams of two will be paddlers in the race. Must have one person over age of 18.

Objectives: Design and construct a boat with only the supplied materials in 2 hours or less (two hour time limit). The Boat should look good, float and go fast. Boats will be stored overnight. Races will occur on Sunday.

Registration: Will occur at Old Mackey Park, Canada Day at the Welcome Tent up until 1:00 p.m.! There is limited space, so it is important that if you are interested, you register early. Teams may pre-register by contacting the municipal office at hcmhomecoming2017@gmail.com.

Cost: To offset costs of materials, there is an entrance fee of \$5 per person or \$20/team of 4.

Prizes: Timed races – shore around buoy and back to shore.

1. Fastest \$50
2. Second \$40
3. Third \$30

Tools and Materials:

Supplied by HCMHomecoming2017:

1. Bundles of corrugated cardboard
2. Approximately 48 mm x 54 m of duct tape
3. Carpenters glue
4. A boat number
5. PFD/life jackets (please bring your own if you have them, we have a limited supply)
6. Cutting devices (utility knife, box cutters, retractable blade Exacto-knife)
7. Pencils/pens/markers and paper to draft designs
8. Tools for applying glue (paintbrush or mini roller with tray)

Supplied by teams:

1. Suitable attire to race in the river, towels to dry off;
2. Boat design ideas/sketch ;

Optionally supplied by teams:

1. Paddles/Oars may be things you bring from home or made out of materials supplied. Eg. Frying pans, garbage can lids etc. Actual paddles/oars are not allowed!
2. Decorations to enhance the appearance of your boat* (painters tape and sticky tack for decoration adhesive use only, not to increase durability of boat)
3. Tape measures, a compass and/or protractor

Note: No other tools or equipment may be used in the construction of the boat. No hammering or clamping devices allowed. Electrical power will not be available at any time.

Construction Rules and Regulations

1. Boats must be designed to allow team members to be fully contained within the structure of the boat. Rafts or surfboard styles will not be permitted.
2. Adhesive must be used as a bonding agent only (i.e. the adhesive may only be applied if it is to be sandwiched between materials such as cardboard or tape). Internal and external walls (sides, hull, floor) of boat must be free of exposed adhesive.
3. Teams are permitted to bring materials with which to decorate their boat. Decorations must not aid in the speed or buoyancy of the boat. Lacquers, waxes (i.e. crayons), latex/water-based paints and spray paints are not permitted for decoration.
 - a. The use of aerosol cans, confetti and glitter is strictly prohibited.
 - b. No water soluble materials allowed. All materials used for decorations shall be removed from the water and disposed of by participant.
4. Teams are not permitted to use aids such as a prototype, to-scale patterns or prefabricated materials for tracing purposes at the event.

5. Boats will be a maximum width of 5 feet and a maximum length of 7 feet.
6. Fancy dress and boat decoration is encouraged, provided that it:
 - a. does not aid flotation or propulsion;
 - b. does not impede your ability to swim;
 - c. does not pose any other safety hazard;
 - d. is not inappropriate.
7. Non-compliant boats/teams shall be disqualified from the competition.
8. Teams will be asked during the construction phase to declare who their racer(s) will be.
9. You cannot wrap the entire boat with plastic or duct tape or any similar tape or wrap. Duct tape can only be used at the seams and stress points.
10. You are allowed to reinforce all seams and stress points with tape.
11. Contestants are not allowed to use any substance which might be harmful to the environment.
12. The entire hull, superstructure, and seating must also be made from corrugated cardboard.
13. The “seats” may be made of boxes or cardboard.
14. Any boat found not to follow guidelines will be disqualified.
15. Only the seams and joints may be taped, not the entire boat. In other words, you may only tape where you put two pieces of cardboard together. Existing box seams may be re-inforced.
 - a. When taping seams, only 1.5 inches of tape can overlap the seam.
 - b. When taping seams, a minimum of twelve inches of un-taped cardboard must separate seams.
 - c. Tip - To score the cardboard, use the dull side of a knife — it makes the cardboard easier to bend.
16. Each team must remove their entire boat (including any and all decorations) or boat remains from the water when the race is finished. All boats and remains must be placed in the dump trailer/location provided.

Race Rules and Regulations

1. Have fun! Safely!
2. Boats will race in timed heats of two (2), three (3) or four (4) boats (depending on wave conditions and number of entrants). You will be timed. You are racing against the clock not specifically the teams in your heat.
3. If there is a tie in time; it will be broken by a coin toss.
4. All team members under the age of 12 who are racing must wear the PFDs/life jackets provided, unless their parent/guardian signs a waiver and assumes all responsibility for this decision.
5. Only kneeling or sitting in the boat will be permitted during the race.
6. Teams will be given two commands:
 - a. “Racers Ready” teams will make eye contact with the starter
 - b. “Boats in the water and Racers in the boat” teams will have up to 30 seconds to climb into their boats and position the boat.
7. After 30 seconds or when all teams in the heat are ready (whichever comes first) a whistle will blow signaling the start of the timed race.

8. Team members are allowed to steady and hold the boat for the start of the race but not push to start.
9. If team members push the boat at the start or allow the boat to drift away from the start line, a five (5) seconds penalty will be added to the time.
10. Time will stop once any structurally significant part of the boat crosses the finish line.
11. All boats may be propelled through the water by:
 - a. utilizing a paddle or oars made of cardboard and duct tape (cardboard tubes are not allowed.)
 - b. a sail of some sort.
 - c. arms may be in the water to assist with stability and/or propulsion.
 - d. boats may not be towed, pulled, or ride on top of participants (immediate disqualification).
12. During competition, crew must be IN the boat, not towing it, or holding it between their legs, swimming, or allowing a life jacket to provide the floatation of the vessel. If the boat begins to sink, the boat will be disqualified and must be removed from the water.
13. The designated rower who starts the race must finish the race without leaving the interior of the boat. If the rower exits the boat for any reason during the race, the team will be disqualified.
14. Teams are not allowed to sabotage anyone else's boat. Any rough housing in the water will lead to disqualification.
15. All participants must be wearing light clothing appropriate for swimming.
16. Team members must supply their own towels.
17. Judging will be based on completing the race and the finish time.
18. Both team members must be clearly visible while the boat is in the water.
19. All occupants of a boat must be good swimmers.
20. Only the racers' hands, along with devices constructed of provided materials, or approved tools, may be used to propel the boat.
21. Team members must enter and exit the boat from behind the start/finish line.

Cardboard Boat Construction and Race Tips and Information

How to Get Involved

1. Saturday
 - a. Register prior to 1:00 p.m.
 - b. 1:30 p.m. – boat building begins.
 - c. 3:30 p.m. – boat building ends.
2. Sunday
 - a. Races will begin at 1:00 p.m.
 - b. All team members should come prepared with signed waivers, swimwear and towels to enter the water for the race.
 - c. All children 12 and under must be accompanied by a parent or guardian.

Hints and Tips - How To Be A Winner

1. Decide on design and sketch it. It can be any size. Let your imagination go wild!
2. Do the bottom of the boat first. Two to three layers of cardboard glued together and weighed down—let set.
3. Cut side pieces. Cut against the grain of the corrugated cardboard to insure durability. Use dull side of knife when scoring to make a fold—makes it easier to bend pieces in proper shape.
4. Glue sides to bottom. Let glue set.
5. Carefully cover any seam with duct tape.
6. Decorate your boat.

For Your Information:

- A boat 1' x 1' x 3' will float approximately 185 lbs.
- All cardboard must be removed from the river, wet; so make sure you and your team will be able to lift it once soaked – don't make it too big.
- Flat bottom, sit to paddle and canoe styles are the easiest to maneuver.
- Feel free to search on line for techniques, designs, tips.
- So you want to join?
 1. Decide on a design and sketch it.
 2. Construct the bottom of the boat first.
 3. Carefully cover any seam with duct tape.
 4. Bring a change of clothes, you will get WET!
 5. And most importantly, have FUN!

Waiver - The United Townships of Head, Clara & Maria Cardboard Boat Building and Race Contest Waiver and Release Form

This form will be collected as contestants register at their designated contest location. No contestant will be allowed to participate unless this form has been properly filled out and signed by parent/legal guardian/self.

By signing my name below and participating in this event, I hereby agree to abide by the safety rules and guidelines governing this cardboard boat race. I attest to being at least 18 yrs. Of age; if I chose to put anyone under 18 yrs. on our boat by signing this form, I am accepting full responsibility for them. I agree that I, and my team, am responsible for removing our "boat" from the water.

I hereby waive any claim or right to make any claim against the United Townships of Head, Clara & Maria, or any group, volunteer or other individual involved in this event. By signing this form I understand that photos or video may be taken and released for advertising Homecoming in the future.

I, the undersigned or parent/guardian, do hereby give permission for my daughter/son/ward/self to attend and participate in the Cardboard Boat Building and Race Contest event sponsored by the United Townships of Head, Clara & Maria.

I hereby acknowledge that by attending and participating in the Cardboard Boat Building and Race Contest event that there is a possibility of physical illness or injury to my daughter/son/ward/self and I do hereby for myself and all others who might have a similar claim waive, release, and forever discharge and any and all rights and claims for damages, which may arise now and in the future against any and all damages which my daughter/son/ward/self may sustain and suffer while attending and participating in the event.

Date _____

Name of Contestant _____

Parent/Legal Guardian _____
