

# CARDBOARD CANOE RACE

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## OVERVIEW

Students will design and build a boat using cardboard and duct tape that will successfully carry one (1) passenger across the Riversport Canal in the least amount of time.

## ELIGIBILITY

Three (3) teams of three to six (3-6) members per chapter. Only one team member will paddle across the canal, while the other two steady the boat during boarding. All other team members will cheer on the navigator.

## TIME LIMITS

### PRELIMINARY ROUND

- A. All components of the canoe must be made prior to the Riversport Day.
- B. Each team member must have a completed liability waiver.

## ATTIRE

- Participants may wear t-shirts and shorts.
- Life jackets will be provided by RiverSport and must be worn by all team members.

## REGULATIONS AND REQUIREMENTS

- 1) The entire boat must be built of cardboard and duct tape.
  - a) The cardboard should be standard cardboard typically used to package appliances, computers. (Any type of treated cardboard that has been processed in such a way as to make the cardboard waterproof, may NOT be used.
- 2) Oars will be provided by RiverSport.
- 3) Decorations and props that are not part of the boat's hull or structure are allowed if they in no way effect the strength or buoyancy of the boat (i.e. team flag, team name, logo, mascot, etc.)
- 4) Paint on the exterior of the boat is not allowed.
- 5) If a team's boat disintegrates, falls apart, or sinks to the point that the members are swimming instead of paddling, the team is then declared as a "DNF" or did not finish. No time will be entered for that team and the team is officially out of the competition.

## AWARDS/TROPHIES

The following trophies will be awarded:

- High School Fastest Time – Race Champions
- High School Most Spectacular Sinking
- High School Most Spirited Crew
  
- Middle School Fastest Time – Race Champions
- Middle School Most Spectacular Sinking
- Middle School Most Spirited Crew

## RESOURCES

### Videos

- [Cardboard Canoe Overview Video](#)
- [Cardboard Canoe Timelapse](#)

### Worksheets (full curriculum available for classrooms)

- [RIVERSPORT Cardboard Canoe Overview](#)
- [RIVERSPORT Designing Your Canoe](#)
- [RIVERSPORT Cardboard Canoe Engineering](#)
- [RIVERSPORT Cardboard Canoe Boat Designs](#)
- [RIVERSPORT Cardboard Canoe Buoyancy Exp](#)
- [RIVERSPORT Cardboard Canoe Vocabulary](#)
- [RIVERSPORT Cardboard Canoe Challenge Newton's Laws of Motion](#)