

2018 Capstone

Cardboard Boat Race Rules 2017: Race to be held 10/19/2018, 2-4pm, Campus Point

- You must have at least 2 people in the boat at once but you may have as many as you wish
- You get two pieces of 4x8' Cardboard
- You get a box cutter
- You get as much paper tape as you want
- Duct Tape is available for purchase (Arm's length for 5 points is the going rate)
- You cannot bring anything else to build the boat
- Propulsion can be made from Cardboard, tape or from parts of your body
- Your team's outfit: Must be made of cotton or polyester (no flotation devices can be worn as part of the team's uniform).
- Propulsion must be grounded within the interior of the boat (ie. you may not have team members following the boat while kicking or better yet walking along the ocean floor).
- Sinking occurs when one of the walls of the vessel are breached by water for more than 1 second.
- The center of gravity of the team members must be supported wholly by the buoyancy of the boat and the students' center of gravity must be within the walls of the boat.
- Paddles may be made out of your allotment of cardboard
- Your limbs can hang outside of the walls of the boat but if they are outside of the boat walls, they cannot be used to support the weight of the boat / team members (ie, standing with cardboard around you or treading water)...limbs are only appropriate for use in propulsion.
- If a design is contested as outside of the rules, it will go to a vote of your classmates to determine its adherence to the rules. If deemed outside, it will not be eligible to place in the competition but will be able to have a maiden voyage on the water just for fun.
- Remember that this is primarily for fun...but also the bragging rights :)

Scoring

Score = 3*Distance (m) +2*Design Innovation + 1*Team Style – 5*number of pieces of duct tape

Distance, measured as the number of steps taken by scoring judge (~m)

Design Innovation

1: standard canoe or dingy

3: Design employs one out of the box feature

5: Design Employs 2 or more out of the box features

10: Design is completely revolutionary

Personal Style of team:

1: Everyone is in their standard clothes

5: There is a team uniform

10: You all look equally ridiculous