

# Back2School Bash Boat Bonanza III!

August 13<sup>th</sup> @ Hubbard Creek

## Objective:

- To build a boat out of cardboard and tape capable of holding one person that can be launched, paddled, and raced across a specific area of Hubbard Creek
- To win the prize: 3<sup>rd</sup> place = \$10; 2<sup>nd</sup> place = \$20; 1<sup>st</sup> place = \$40

## Materials:

1. Only cardboard and tape may be used to construct the boat.
2. Only corrugated cardboard will be allowed. The maximum allowable thickness of corrugated cardboard is one-half inch.
3. You may **NOT** use any other objects to contribute to the structural rigidity or the craft's flotation ability.
4. You may use only clear postal tape that is two inches wide or gray duct tape. No other type of tape will be allowed. Absolutely **NO GLUE!**

## Design Parameters:

Boats will be subject to a technical inspection the day of the race and must follow these guidelines. Any boat not following these guidelines will be disqualified.

1. Boats must be made from corrugated cardboard. The entire hull, superstructure, and seating must also be made from corrugated cardboard. The maximum thickness of cardboard allowed is two thicknesses (this does **not** count the where the "seat" contact the boat structure). The maximum single thickness of cardboard you may use is 1/2 inch. Thus, the maximum thickness of your two thicknesses of cardboard is one inch. The "seat" may be made of boxes or cardboard. They must comply with the thickness guidelines. You **may not** use layers of one-quarter inch cardboard to meet the one-inch maximum requirement. Again, the maximum thickness of one piece of cardboard is one-half inch and you may use two thicknesses of this cardboard.
2. No treated cardboard is allowed. Your cardboard must be brown! Treated cardboard looks like it has been waxed. You may not use painted cardboard. Again, your cardboard must be brown! Please note: you may mark your boat's logo with water-soluble markers as part of your decorations for your theme. You may **not** entirely mark all your sides. Marking is only for decoration -- it cannot make your boat water proof.
3. Tape may only be used for its adhesive properties. You may not use tape as if it were twine.
4. **NO rafts are allowed!**
5. The maximum length is 7 feet. Your boat must be wide enough to fit through the doorway.

6. The hull may **not** be wrapped in plastic, duct tape, shrink wrap, or anything else. 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. When taping seams, only **1.5 inches** of tape can overlap the seam. When taping seams, a minimum of **twelve inches** of untaped cardboard must separate seams.
7. You may not use reinforcing structures between your two layers of cardboard. That violates the two thickness' rule.
8. You may use cross bars that are **incorporated** into your seats to stabilize your boat. Since these are part of your seats and you may only have two seats, you can only have two cross bars. You may have no more than one cross bar to stabilize the front of your boat.
9. Swimming on a cardboard surfboard is not allowed. No appendages to propel boat are allowed in the water.
10. The passengers of your boat may not be enclosed above the shoulders. Driver must be visible while the boat is in the water.
11. Boats must be free of sharp edges, objects with pointed edges, or any other menace.
12. All occupants of a boat must be good swimmers. A lifejacket **MUST** be worn while maneuvering boat.
13. All boats may be propelled through the water by:
  - utilizing a paddle (out of cardboard of course)
  - constructing a device that will power the vessel, such as a paddle wheel (out of cardboard of course).
  - using a sail
  - any combination of a, b, or c.
14. **NO arms** or **legs** may be in the water to assist with stability or propulsion.
15. To qualify as a finisher, the team member must be **IN** the boat at the end of the race.
16. Bonus time will be awarded before the race for a theme.
  - A theme can consist of coordinating clothes, hats, etc.
  - A theme can consist of decorations on your boat. All decorations must be made of cardboard and be affixed to the boat with approved tape. You may also decorate your boat with markers (no paint, etc.) in addition to affixing cardboard decorations. The content of the theme must be appropriate, following the rules described in the code of conduct.
  - Creativity and uniqueness
17. You can work in 4 member student/adult teams. Each team member must be signed up in advance **PRIOR** to the day of the race.

Any questions may be addressed to Jimmy via Facebook or text or calling 254-246-9525