

## Pack 7 5<sup>th</sup> Annual Cardboard Boat Races

July 20<sup>th</sup> - 1pm Camp Horace Johnson

AWARD CATEGORIES **Fastest Boat** (single hull and multi-hull one person, single hull and multi-hull two or more people) • **Best Looking** • **"Titanic" Sinking** • **Best Theme** • **Open Class** (adults or siblings)

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### RULES

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1. HAVE FUN ... SAFELY!
2. ALL BOAT HULLS MUST BE CONSTRUCTED OF RECYCLED CARDBOARD (corrugated board). Other materials may include: hot glue, duct tape, paint, chewing gum, wood workers glue, even nail polish. No Cellular, Fiberglass, Plastic, Wood, or Flotation Materials allowed in hull construction!!! Use of waterproofing materials of other than a single substance compound is not allowed.
3. Boats are to be propelled by oars, paddles, or "convenient body parts"! Oars or paddles may be constructed of cardboard or you may use the "real thing"!
4. PARTICIPANTS MUST WEAR A PFD (Personal Flotation Device)
5. If you have any questions...refer to Rule # 1!

We will need to make sure that we don't pollute the lake: cardboard must be removed from the water if your boat sinks and starts falling apart. Participants will also have to get their cardboard removed from the property; the camp does not have garbage service.

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### Clues To Construction

One cubic foot of water weighs about 62 pounds. A boat that is 1 foot wide X 1 foot deep X 3 feet long would displace 3 cubic feet of water and would theoretically float with a 185-pound person in it; of course, that could be a bit uncomfortable! This should give you an idea of how large a boat you will need to construct for you (and your crew).

- Close your eyes. Imagine yourself at the helm, the wind in your hair, captain of your cardboard craft. It can be any size. Let your imagination go WILD!
- Corrugated Cardboard is available at furniture and appliance dealers recycling bins, etc.
- Build the bottom of the boat first. Two or three layers of cardboard glued together and weighted down...let it set.
- Cut the sidepieces. Cut against the grain of the corrugated cardboard to insure durability. Use the dull side of a knife when scoring to make a fold. This makes it easier to bend pieces into the proper shape.
- Glue the sides to the bottom. Let the glue set.
- Carefully cover any seam with tape. Duct tape works well.
- Waterproof the inside and outside with a single substance compound. (A simple glue - no two part epoxies.)
- Paint and decorate the boat. (oil base paint –some Scouts used spray paint last year and it worked well) The paint must be dry before your boat can go in the water.
- Best clue...Fold a lot and cut sparingly.

Pack 7 will need a few adults to help with registration of boats, timing of races, and cheering for the participants. If there are any questions, please feel free to call, Zac Carl, at 724-5505, or email at [zcarl@mnpower.com](mailto:zcarl@mnpower.com)