

The Great Cardboard & Recycled Boat Race

(Sponsored by the Fulton County Republican Party)

Brief rules: The boat must be made completely out of cardboard and fastened with duct tape and/or liquid nails, or similar adhesive paste (see #15 for Recycled boat construction). Decorations are encouraged as long as they don't add to the structural integrity of the vessel and are not harmful to fish or wildlife. Above all, life jackets must be worn by all members of the crew. For complete rules email garyphillips@missouristate.edu.

Challenge: Design and build a person-powered corrugated cardboard boat, or recycled materials boat, capable of racing across the designated course at the Salem Park Lake. Winners will have the fastest time.

Time/Place: 4 p.m. on Saturday, May 25th, 2019, Salem City Park. Registration starts at 3 p.m. on the far side of the lake.

Competition Brackets:

Elementary School (by last completed school year).

High School (7th through 12th grade) and Adult, 18 and up.

Corporate, business, organization or team category, may include up to 6 people. Winning team takes the traveling trophy until the next race! Winning team name is added to the trophy.

Recycled boats (construction and sailing crew of all ages).

Entry Fee: \$10.00/school-age entry; \$20 adult and Corporate.

3:00-3:50 Boat Check-In. After check-in boats may be taken to an area near the lake for public viewing. You may wish to monitor your boat to prevent sabotage since there is no security, and there may be pirates. Boat and crew photos.

3:50 Crew Instructions, Line Up.

4:00 Races Begins with youngest races first.

Speed Awards. Fastest time in Elementary Bracket will receive prize money of \$25 for 1st place and medals for 1st, 2nd and 3rd places. *The High School and Adult Bracket* will receive \$50 for the fastest time. The winning team for the Corporate/Organization category will receive fame, glory, bragging rights and a traveling trophy for a year to display at their business or meeting place to prove their engineering prowess and speed.

The winner of the recycled boat race will receive \$50 dollars.

Additional Awards (take home trophies)

Pride of the Fleet: Given to the most impressive looking boat (before the race). Must be seaworthy (*at least* one crew member inside the boat to sail).

Titanic Award: Given for the most spectacular sinking.

The Long Rules

1. Contestants will compete in four (4) categories:
 - **Elementary** teams with 1 or 2 crew members to pilot the boat, and may have 1 or 2 land helpers to help launch.
 - **High School and Adult** will race with one or two crew members, no shore crew.
 - **Recycled Boats** will race with one or two crew members, no shore crew, unless the sailing crew is below the seventh grade.
 - **Corporate or group** entry may have 1 to 6 crew members on board, some may help launch if they enter the boat once in route.
2. A contestant may compete in multiple categories at or above his/her age group. A contestant may compete only once in a category.
3. Boats will be propelled only by oars, canoe or kayak paddles. Boats must have sides that provide some enclosure, but *must be low enough to allow safe exit.*
4. The boat's passenger area must not be enclosed above the occupant's shoulders so as to interfere with escape should the vessel instantly convert itself into a submarine!
5. The boat must be built primarily from cardboard, glue and duct tape. Wood, metal, Styrofoam, paint, rubber inflatable devices or other materials that would provide buoyancy *or structural rigidity* are

prohibited. This applies to the keel, transom, ribs, hull, etc. *(see #16 for Recycled Boat material rules.)

6. During the water portion of the competition, crew must be visible **in** the boat—not towing it, holding it between their legs, swimming or allowing the life jacket to provide the flotation of the vessel. Races will begin on the shore, and crews will launch the boat in the water after the starting signal. One or two people will be the sailing crew, and *Elementary* may have one or two people as a land crew. The land crew may help get the boat to and in the water, but should not enter the water *themselves to push the boat*.
7. **Launch Rules:** The launch rules allow for boats (especially larger or bulky boats) to be placed in the water before the starting signal. This will allow for a smoother launch, but at least one boat member must be outside the boat with one foot on the shore, and one hand on the boat when the starting signal sounds. The race is over when one contestant rings the bell on the far side of the lake.
8. Every crewmember must sign a “Hold Harmless” liability release before the race.
9. Every sailing crewmember must wear an approved **Personal Flotation Device (Lifejacket)**.
10. Boat design is left to the builders. Let your imagination take over; make your boat look like a race car, flying saucer, dragon, the Queen Mary, etc. Crew costumes that match the theme are encouraged and may be considered for Pride of the Fleet.
11. Sunken or discarded boats must be disposed of in the designated area or taken home.
12. Judges reserve the right to divide entrants into individual heats *if entry numbers are too large*. Total elapsed time will determine winners.
13. Staples, screws and nails are not allowed in the finished boat. While they can be used to hold cardboard in place while adhesive is drying, they must be removed before painting and competition. There should be no metal of any kind in the boat. Other clamps, zip ties or fasteners should also be removed before competition. Illegal materials are grounds for disqualification or penalty.
14. Waxed cardboard is allowed in construction, but must be held together by the same adhesive or tape used for other materials. (While it is more waterproof, it is more difficult to secure to other layers, thus a trade-off is required to balance materials and construction techniques. This is part of the construction challenge.)

15. Contestants are expected to maintain the decorum and dignity of a yachtsman and not behave like pirates. Remember—it's all for fun!

Recycled Boat Race Category (a new category this year)

16. All rules applying to cardboard boat races apply to the recycled boat race except #5 on Construction materials allowed. The construction guidelines are as follows:

The boat must be built primarily from recycled materials (previously used for some other purpose). The only materials on the boat that may be new are the adhesives and tape. For safety, metal and glass are not allowed (including nails, screws or other fasteners).

Labels should be removed or made permanent so that they do not come off in the lake. No parts should break down or degrade so as to pollute the lake.

No individual component part may be greater than three feet in length (e.g. no plastic kayak bottoms, small swimming pools or fiberglass car hoods).