

# Boat Race RULES

## **BOAT CONSTRUCTION**

No boat-building will be permitted on site at the event.

Only corrugated cardboard may be used. It can be of any thickness but must not be bonded to any other material such as vinyl. Non-corrugated material may not be used, especially the kind of resin or wax-type coating found in packing cases. No solid cardboard and no carpet roll tubes may be used.

No wood, metal, Styrofoam, or other materials that would aid in flotation or make the hull rigid may be used. This restriction applies to the keel, transom, ribs, hull, seating, etc.

No fiber tape may be used.

No material such as Styrofoam or rubber inflation devices may be used to provide "buoyancy" or maintain flotation. No sandbags or similar materials may be used for ballast.

Hulls may be painted with any latex paint. No type of polyurethane, varnish or other non-paint coating or finish is allowed. No epoxy glues, fiberglass resins or "multi-part" paints may be used.

Hulls may not be completely "wrapped" in duct tape or anything else. Tar based substances like roof coatings are not permitted.

Joints and seams may be glued and/or taped. Duct tape, contact cement, rubber cement, or construction adhesive may be used. No nails or metal or wood fasteners or staples may be used in the construction of the boat (small amounts may be used for removable decoration only).

Design is builder's choice. Let your imagination go wild!

Decorations may be made from any material, but may not be used to reinforce the actual structure of the boat.

Boats are subject to inspection and disqualification for violation of the above Rules.

\*Disqualified boats will be allowed to race in a Pirate Heat. They will not be eligible for prizes.

At least one team member must ride in the boat during the race. Race participants must be age 8 or older. You can have more than one person paddling if you would like. You can have as many builders as you want for the boat but are only required to have one paddler. We encourage you take on this project as a team!

All entrants must ensure that their portion of the pit area has been cleaned before leaving on race day. It is the responsibility of each boat team to remove their boat from the race site, or place their boat in an on-site dumpster at the conclusion of the event.

For racing purposes, boats will race in race “heats”. Each boat will be timed independently, and awards will be given overall.

**\*\*You are expected to provide your own paddles, paddles do not need to be made of cardboard.\*\***

### **SUGGESTED SUPPLIES**

(Corrugated) cardboard

Acrylic latex caulk

Duct tape

Utility Knife

Glue

Latex Paint

Paint brush or roller

Clamps

Measuring Tape

Straight Edge

Scissors

### **A FEW CONSTRUCTION TIPS:**

Use multiple layers of cardboard, alternating the direction of the corrugations for most strength.

Score your cardboard along the line of folds for the straightest bends.

Seal the edges of your cardboard with caulk to prevent water from getting in.

Consider building a few model boats to test for the most stability and buoyancy.

Don't make the sides of your boat too tall for the crew to reach over and paddle.

### **RESTRICTED MATERIALS**

2-part glues (ie. epoxy or polyester resin)

Multi-part paints

Styrofoam

Metal or metal foils

Plastic

Fiber tape

Pasteboard or chipboard

Wood

Any paint other than latex paint

Polyurethane

Varnish and other non-paint coating or finish

**\*Awards will be given to:**

\*1<sup>st</sup> Place Finish

\*Titanic Award- First boat to sink

\*People's Choice Award- Most creative boat design and/or best decorated boat