



Cardboard Boat Building Instructions

Rules and Recommendations

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Cardboard Cutting and Folding Diagrams

*REGISTER ONLINE @ www.staffordparks.com

Rules and Recommendations

1. All participants must be 5 years of age or older, however all children under 7 must be accompanied by an adult in the boat.
2. Life jackets must be worn by all participants when racing.
3. Boats must be made of cardboard
 - Cardboard boxes, sheets of cardboard, cardboard tubes, etc. may be used.
 - Boats are held together by glue and tape.
 - Glue suggestions are Liquid Nails, Contact Cement and similar water proof glues.
 - Tape suggestions are duct Tape, Plastic Packing Tape, Pre-Glued Packing Tape and similar water resistant tapes.
 - Boats are sealed with paint (many coats of paint!).
 - Liquid Nails can be used to seal edges and seam in the cardboard.
4. No metal, wood or plastic structures allowed.
5. No Plastic Sheeting is allowed. You may use sealant, wax, paint and/or tape.
6. Boats may not exceed 16 feet in length except for the 'Luxury Liner' category.
7. At least two but no more than four people per boat except for Luxury Liners which may have 4 or more.
8. No motors allowed. Paddles or hands for power. Cardboard Paddle Wheels are allowed.

Race Information

1. Children's Races (7-14) are approximately 50 yards long
2. All other races are approximately 100 yards long
3. Maximum water depth is approximately 5 feet
4. Life Guards and a Safety Boat are provided
5. Simple paddles will be available, however bring paddles (oars) if you have them
6. Life jackets must be worn by all participants when racing
 - a. Some personal floatation devices will be available
 - b. Bring your own if possible
7. Boats may be raced in heats with times determining place finishes in each category
8. Boats can be raced in all categories that apply to the boat and crew
9. Boats may be available for use at the event for a \$5 fee for each crew member

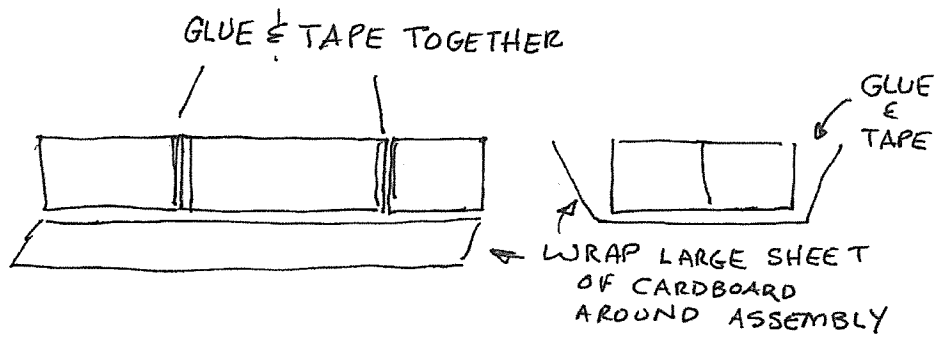
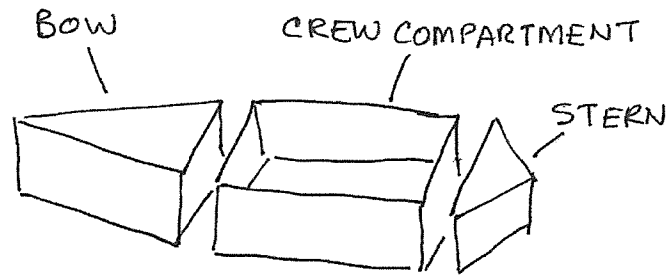
Materials

- Cardboard (Packing Boxes, Mattress Boxes, TV and Appliance Boxes, Carpet Tubes)
- Liquid Nails, Contact Cement
- Duct Tape, Packing Tape, Paper Tape
- Paint (Latex Paint, Kilz)

Construction Plans

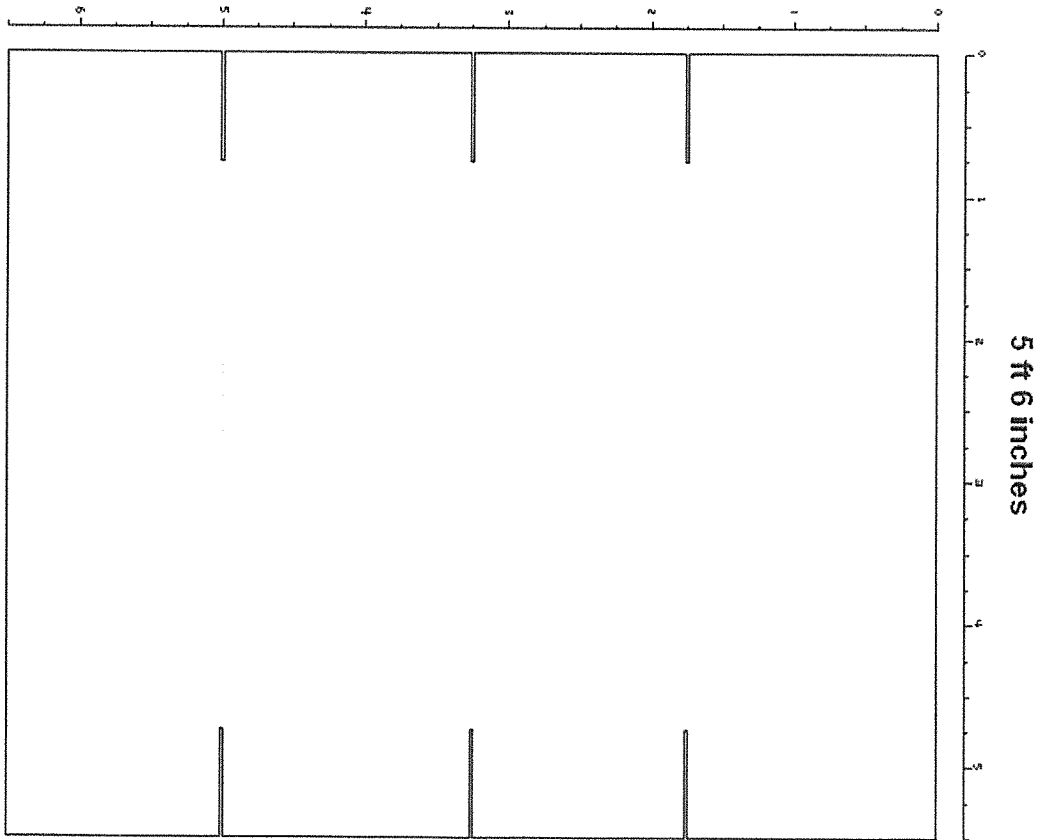
- Cardboard boat building is the ultimate in re-cycling. Use old cardboard from people moving into your neighborhood, visit moving companies for used boxes, and trash.
- Think of a theme or idea for your boat. There are many categories for good looking boats that do not win races. Also the crew costumes can win prizes.
- Cardboard tubes are good for structures and connecting large boats.
- Large boats can be made by connecting smaller boats together.
- The attached plans are based upon using 3 or 4 moving boxes. The Wardrobe boxes are double layer and stronger than regular cardboard boxes. Use other cardboard for inside layers on the crew compartment and for decorations.
- Use a straight edge to mark, cut or crease the cardboard. Use an old pen or small screw driver to crease cardboard before folding it. Don't tear the cardboard just make an indentation where a fold is needed.
- Build the three sections & glue each section together. Seal and Tape each seam to make them water tight. Seal all cardboard edges with liquid nails, or tape.
- Connect the sections together with glue and tape as shown. Cover the bottom and side with another layer of cardboard overlapping the joints where the sections are connected. You will need three layers of cardboard on the bottom and side to make a strong boat.
- Seal all joints and cardboard edges with liquid nails and tape. Don't forget to seal the inside of the crew compartment. You can also seal the boat with paper mache. You make it with 1 part Elmer's Glue and 10 parts water. Soak strips of paper in the water-glue then place on the seams and tape to seal the boat. When this is dry it can be painted.
- Paint the boat with at least 3 coats of paint. One coat of Kilz paint and then several coats of latex paint are good. Save money by getting "Oops Paint" from Home Depot, Wal Mart or Lowes. This is paint that was the wrong color or dented cans.
- Decorations and theme features can be made of smaller cardboard boxes and don't need as much paint. You should make them removable to make it easier to get the boat to the regatta and to take things off for racing.
- If you decide to design your own boat. Make it at least 2 ½ to 3 feet wide so it won't tip over when you get in. If it is 5 or 6 feet long it will hold 2 people easily. The sides should be at least 9 inches high. Water will come up about 4 inches on the side with 2 people in the boat.

Cardboard Cutting and Folding Diagrams



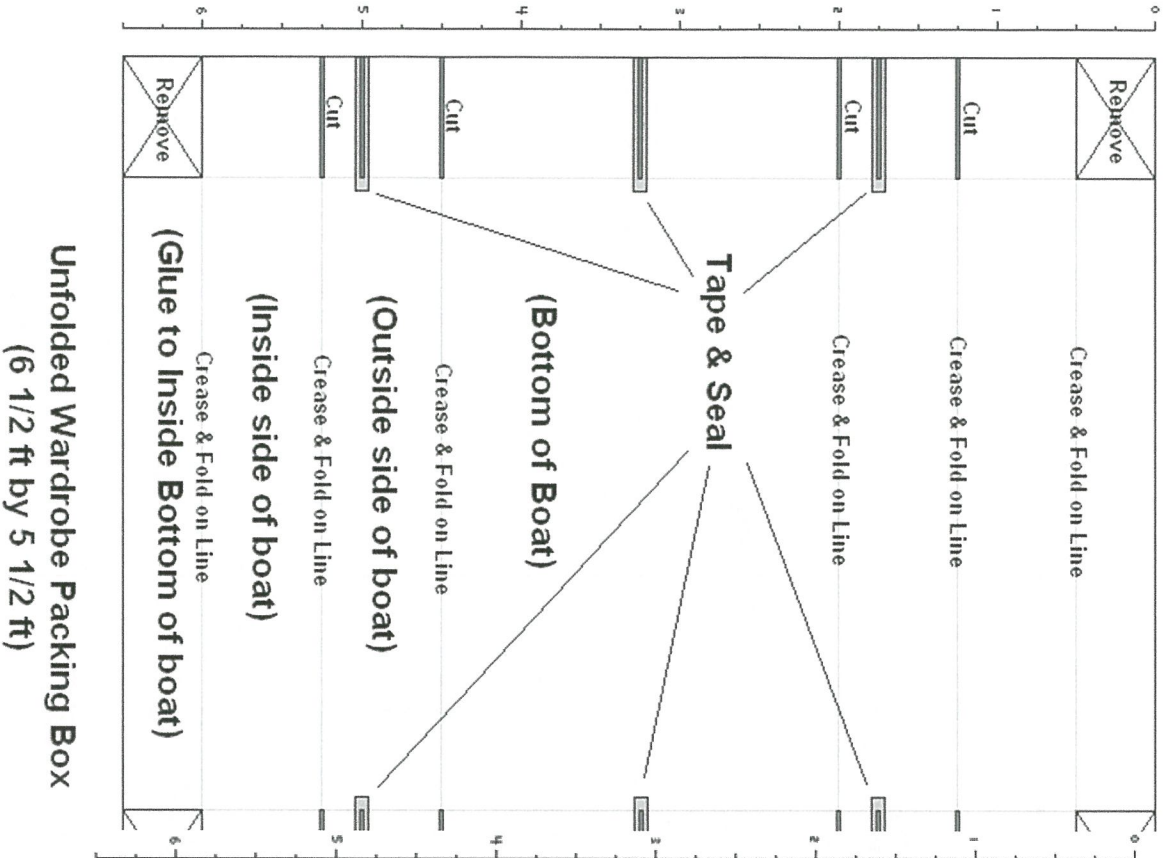
WRAP LARGE SHEET OF CARDBOARD AROUND ASSEMBLY

Unfolded Wardrobe Packing Box



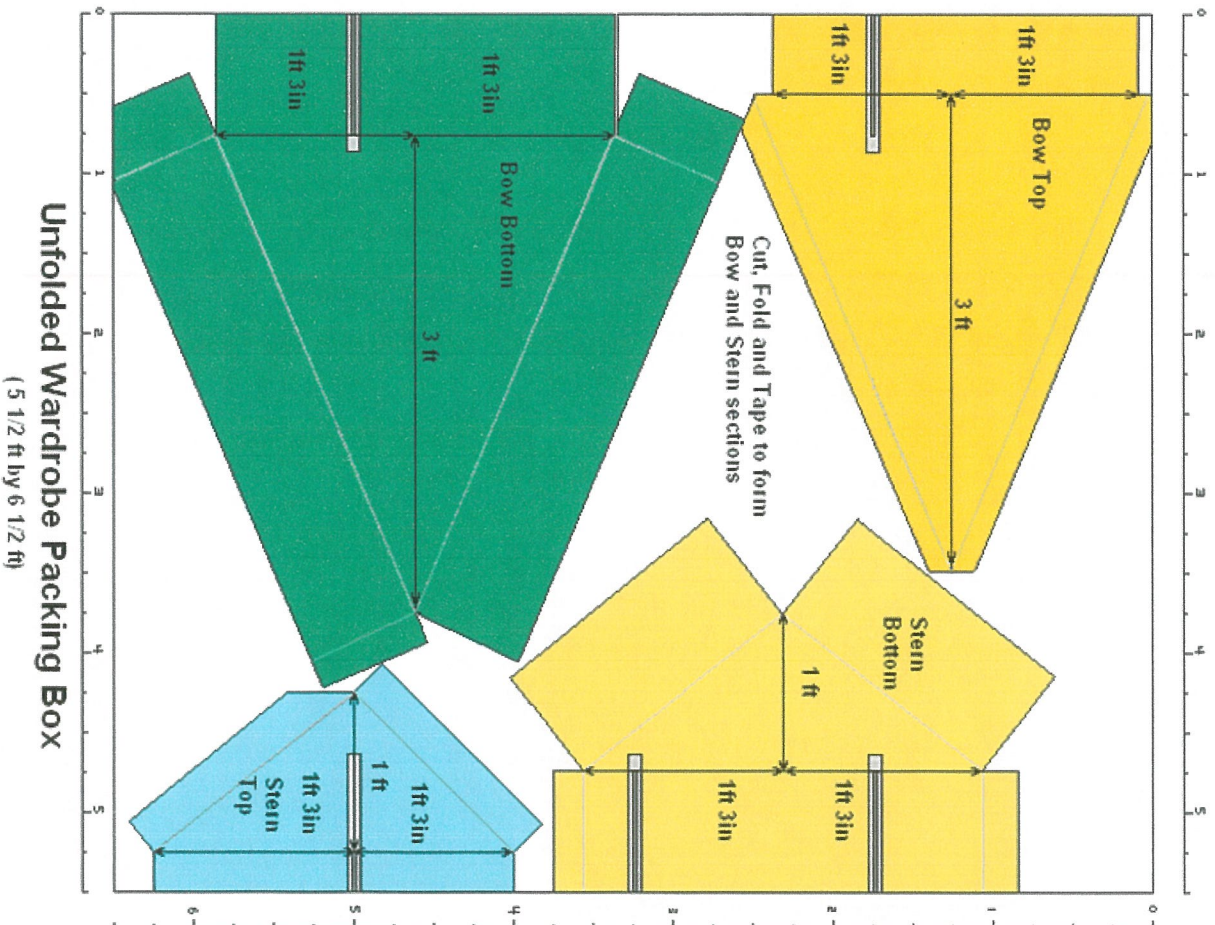
Cardboard Cutting and Folding Diagrams

Cut, crease, fold & glue to create Crew Compartment of boat



Unfolded Wardrobe Packing Box
(6 1/2 ft by 5 1/2 ft)

Bow and Stern Sections of Boat



Unfolded Wardrobe Packing Box
(5 1/2 ft by 6 1/2 ft)