



GEORGIA TSA ARMADA BOAT RACE

"Build A Boat and Hope It Floats!"



Objective:

To design and build a boat using cardboard and duct tape that will successfully carry two passengers across a pool in the least amount of time.

Before the conference:

- Complete the Armada Registration Form and include it, along with the **\$20 Armada Boat fees**, with your Fall Leadership Conference registration. **All liability forms have to be turned in at registration. They will not be accepted at the Pool.**
- Select three participants to complete the final phase of the competition at the Fall Leadership Conference. This will be your Assembly Completion Team. **Only three team members are allowed in the building area. No advisors or extra members.**
- Duplicate the Armada Boat Race Liability Form and have the three individuals who will be completing the final phase of the competition complete these documents. Scan, convert to PDF and combine into a single multi-page pdf file. Then upload to Document Uploads in the EMS
- As a chapter:
 - Research possible boat designs
 - Develop a technical drawing for the boat design (maximum one page 8.5"X11")
 - Generate a list of the design merits for the boat
 - Pre-cut your boat design and paddling apparatus using the specifications below.

Event Guidelines:

- **The ENTIRE BOAT must be BUILT OF CARDBOARD and duct tape.**
 - The cardboard should be standard cardboard typically used to package appliances, computers. (Any type of **TREATED CARDBOARD** that has been processed in such a way as to make the cardboard waterproof, **MAY NOT BE USED**. The emphasis is on the fun filled process of turning discarded cardboard boxes into floating boats.)
- The propulsion system, including oars and paddles, Must be made from cardboard also!!
- Decorations and props that are not part of the boat's hull or structure are allowed as long as they in no way effect the strength or buoyancy of the boat. (i.e. Team Flag, Team name, logo, mascot, etc.....judges may rule on this if necessary) Paint on the exterior of the boat is not allowed.
- Dress Code: All Participants and Spectators will wear Shirts at all times. While shorts are OK for this event they must be appropriate length (fingertip length)
- Do Not Paint Your Boat! It stains the pool.
- Do not take Cardboard from the command center.
- Where the crew sits **CAN NOT BE ENCLOSED** (the boat crew must be able to get in and out of the boat easily). **SURFBOARD and RAFT** style designs are **NOT ALLOWED**. Consider "staying dry" as part of the challenge.

If there is any doubt about the construction, the judges reserve the right to use a probe, such as an ice pick, to test and verify that only cardboard has been used.

BEFORE Conference Registration – EMS Document Upload:

- Armada Boat Race Liability Forms (combined as a single PDF) – **WILL NOT BE ACCEPTED AT POOL!!**

At the Pool:

Check in at the Armada Registration Table Submit the following:

- Technical CAD Drawing and Design Merits
 - These should be submitted in a single sheet protector, inserted back to back.
 - Please insure that your school name is included on the documents.
- Report to the poolside at the time designated in your conference program.
- 2 Coast Guard approved and properly fitted personal floatation devices (PFD) are required. If you use one of the GA TSA provided lifejackets, they must be returned immediately after exiting the pool.

Competition Information:

- Each Competing Team must have their boat assembled prior to the published start time. No additional time will be given
- Only specified materials or supplies may be used.
- The SCHOOL NAME must appear on the boat.
- **Every race participant must wear a Coast Guard approved and properly fitted personal floatation device (PFD) while in or on the water.**
- Boats will be raced once, two or three at a time, but finishing times will be compared to other boats to determine placement. (Drawings will be judged separately)
- Races will be started from the side or end of the pool. A judge that will say “on your mark, get set, go” this is also when the clock will start ...part of the challenge will be to enter your boat and begin paddling.
- Time stops when a team member who is in or on their boat touches the designated “finish-line” end of the pool.
- If a team’s boat disintegrates, or falls apart, or sinks to the point that the members are swimming instead of paddling, the team is then declared as a “DNF”...did not finish...entrant and no time will be entered for that team and the team is officially out of the competition.....the judges will make a decision on this if necessary. **When judges ask you to exit the pool remove yourselves and your boat ASAP.** Continuing to try and paddle a floundering boat is grounds for disqualification.

Clean-Up: All cardboard, decorations and boat related materials must be removed from the water and grounds by the boat crews and disposed of in the on-site "cardboard boat graveyard". **If the team leaves materials behind, they will be subjected to disqualification from the race!**

What each team must provide for themselves:

- **Already Completed Legal Boat**
- Technical CAD drawing and design merits – submitted at registration
- TEAM MEMBERS - - 3 are required!
- Required dress: shorts, sneakers and Georgia TSA will provide a race t-shirt.
- Towels and dry clothes to change into after the race.
- **2 Coast Guard approved and properly fitted personal floatation devices (PFD)**
- **Spirited chapter members!**

What will be provided for the race participants?

- Personal Flotation Device (PFD) – Schools are asked to bring their own to speed up the process

- Swimming Pool
- Judges with stopwatches
- Assembly area (located outside the pool area)
- Cardboard Graveyard area to dispose of the wet, soggy cardboard. (teams must move their boat remains to the designated area)

Rule Violations:

- Use of Duct Tape to completely wrap or encase the boat. Duct Tape is only allowed to assemble and reinforce seams.
- Failure to abide by any race rule or direction of race official shall be cause for disqualifications. The decision of the Judges shall be final.
- No part of the boat can be pre-assembled prior to the assembly time.
- More than three team members in the building area or adult assistance.

Awards:

- The following Awards will be recognized during the Closing Session on Sunday:
 - High School Fastest Time – Race Champions
 - Middle School Fastest Time – Race Champions
 - High School Most Spectacular Sinking
 - Middle School Most Spectacular Sinking
 - High School Most Spirited Crew
 - Middle School Most Spirited Crew

ARMADA BOAT RACE

RELEASE FORM

Parents or legal guardian of crewmember must sign this form.

Each crew member must have this form completed and submitted to be eligible to participate.

By signing and/or participating in this cardboard boat race, I agree to abide by the safety rules or guidelines governing this event. I will wear my PFD at all times when on or in the water. I waive any claim or right to make any claim for any injury of any kind and/or any other claim, which might arise in the course of this event against the Georgia Technology Student Association, or any group or individuals involved in this event.

Crewmember name: _____

School name: _____

Advisor: _____

Signature: _____

Insurance Company: _____

Insurance Comp. Telephone: _____

Insurance Health Record #: _____

Current medications: _____

Parent Signature: _____

NOTE: This form must be signed and submitted, along with the other required forms at the conference registration desk at the Jekyll Island Convention Center.

One team of three members per school must register on the online registration form.

A **\$20 team entry fee** should be included in your chapter's registration payment. Fee will cover awards plus shirts for team members.