**CHALLENGE RULES:**

1. Each team will consist of no more than two boat builders. *(Youth teams may have adult supervision, but that adult may only advise and may not engage in active construction.)*
2. Each team will be assigned a space approximately 12’x15’. All tools, tables, and necessary building materials shall be confined to this space.
3. Each team will provide their own tools, both hand and power. 20amp service will be supplied to each team. All tools must be in good repair with guards and safeties in working order. Be sure to bring #2 square head drill bits as well as #2 phillips head drill bits.
4. Any power tool is allowed **EXCEPT table saws and pneumatic tools.**
5. Each team must bring their own sawhorses and worktable(s). **NO jigs, precut patterns of any sort, or automatic assembly mechanism may be used.**
6. Only manual caulking guns may be used to dispense adhesive and caulking material. Teams must bring their own caulk guns.
7. All plans and building materials will be supplied by the National Boatbuilding Challenge Committee.
8. **Oars must be** **HAND-MADE by the team** (not purchased), but should be made ahead of time. One set of 2-inch diameter oak oar locks and oar sockets will be supplied and are to be **installed AFTER** the team has blown the whistle to signal completion of the boat.
9. Transom blank will be provided at the competition.
10. **Two station molds are needed and should be built before the competition.** (See: plans, p. 2)
11. Boat plans are available to teams as soon as their registration fee is received.
12. A team is permitted to be coached verbally, but the coach cannot physically assist the team in any way.
13. PFDs (life jackets) must be provided by the building team.
14. The fee to reserve a workspace for the competition and receive boat plans is $200, made payable to the Hudson River Maritime Museum.

**CHALLENGE SCORING:**

Each team will be awarded points for their standing against other teams and the LOWEST score wins. Each team’s individual score is based on the following:

* 1/3 – Speed of build
* 1/3 – Quality of workmanship
* 1/3 – 2-man relay rowing race

**Speed of Build** – Each team will have a four hour time limit to build the boat. Points will be awarded for simple elapsed time. First place will receive ¾ of a point (the fractional score prevents ties), second place will receive 2 points, third place will receive 3 points, fourth place will receive 4 points, etc.

**Quality of Workmanship –** Each team’s boat will be evaluated by our judges, taking into account adherence to the plans, the general appearance of the boat, and the overall quality of workmanship. The judge’s evaluations will be compiled and the scoring points will be given as above.

**Relay Rowing Race –** The race will be a relay on an even course with each team member rowing one leg each. The course will be short with simple straight lines and one turn (the rower’s head must break the plane of the turn-around line before switching). When the boat touches the dock will be used to determine the completion time for each team. Scoring points will be assigned as above.

**A team’s total score is the sum of each of the three scores. Lowest score wins!**

**Cash prizes will be awarded as follows:**

* First place overall - $500
* Second place overall - $300
* Third place overall - $200

Additional, non-monetary prizes for best team in each category will also be awarded.