Make It, Take It Paddleboats

Number of Participants: 2
Time: 30 minutes
Description: Make a paddleboat out of the materials provided at the site. The winner will be the boat that travels the farthest as described in Step 6.

The following materials will be provided by the team captain at Science Field Day. These materials can be purchased at Smart and Final:

• 1 Styrofoam sandwich container; hinged lid (15 cm x 14 cm x 8 cm approx)
• 2 Rubber bands (2 1/2 " x 1/16 x 1/32)
• Scissors
• Masking tape
• One pair bamboo chopsticks (approx. 20 cm in length)

(Team Captain will measure using measuring tape)

***Student brought materials or tools will not be allowed ***

1. 20 minutes will be allotted for construction and 10 minutes for racing.
   a. Teams may do 1 practice run during the 20 minute allotted construction time.
   b. Teams may race their paddleboat as soon as they complete the construction. Each team may race their boat up to 2 times and best run with the longest distance will be recorded
   c. All teams must start racing after 20 minutes
2. The participants can build and design any boat, double or single paddles, with only the materials provided. The body of the boat (not including paddles) may not exceed the dimensions as follows: 20.5 cm length, 15 cm width and 5 cm height.
3. The participants CANNOT modify their boat design between races.
4. The rubber band can be twisted up to 20 revolutions (one twist is defined as a 360 rotation). ** Must be wound in front of Judge **
5. A wading pool will be set up with a ring (hula hoop) in the middle, forming a track for the boat to travel. The boat must travel in a clockwise direction.
6. The event captain will allow 5 seconds after the boat has come to a stop before measuring for distance. The longest distance traveled in the forward direction shall be recorded as the attained distance.

Please Note:
Arriving late will not afford more time.
If the boat breaks, 2 pieces of tape will be provided, tape will not exceed 2 inches a piece.
If the rubber band breaks, you will be provided 1 additional band.
ANY communication between students and adults is prohibited during the ENTIRE event. Teams will be disqualified for any and all sideline coaching. All adults MUST stay behind the chalked line NO EXCEPTIONS
This event will take all 30 minutes to complete, please plan other competitions accordingly. NO Exceptions.