

SINK OR FLOAT YOUR BOAT

A TASK based Instant Challenge - *Rising Stars*

Challenge: Your task is to build a boat that will hold weight. There will be a table with a bag of materials you will use to build a boat. After you place your boat in the water, place the marbles in your boat one at a time.

Set-up: Two tables:

Table 1 has materials you can use to build your boat.

Table 2 has a tub with water for the placement of marbles in the boat.

Procedure: After you complete building your boat, carry it carefully to Table 2 which holds a tub of water and a bowl of 10 marbles. Place the marbles in your boat one at a time until all the marbles are placed or your boat sinks.

Timing:

Part 1 (10 min): You will have 10 minutes to build your boat.

Part 2 (2 min): You will have 2 minutes to place your boat into the water and add marbles one at a time.

Materials:

- 2 corks
- 1 plastic lid
- 2 rubber bands
- 6 straws
- 2 large craft sticks
- 1 piece of tin foil
- 2 index cards

Scoring: You will receive

- A. 20 points if you build a boat.
- B. 20 points if your boat floats.
- C. 2 points for each marble placed in the boat (up to 20 points).
- D. Up to 20 points for creativity in the use of materials for your boat.
- E. Up to 20 points for how well your team works together.