

# Cardboard Boat Challenge



**Sink or Float? Challengers are required to create their very own cardboard boat!**  
**Each challenger will be judged on visual design, construction, weight challenge and decorations! Now get building!**

**Contest starts  
January 4th and  
ends January 10th,  
2021 at 12:00 p.m.**

**Contest will be judged in three age groups:  
Grade K-4 / Grade 5-8 / Grade 9-12.**

**Each age group will have 1st, 2nd, and 3rd place winners.**

**1st place-\$75, 2nd place-\$50, 3rd place-\$25.**

**All winners will receive Amazon e-gift cards.**

## Challenge Materials

Using items found around the home: Cardboard – recommend using corrugated • Tape (green or duct tape), Water source in sink or bathtub • Timer • Camera or Phone • Weights: make weights with 2 cups white sugar or salt and 4 ziploc bags • ½ cup sugar or salt in each bag. Bonus points if boat is decorated.

## Challenge Rules

1. You **MUST** draw your blueprint design on paper first. Designs with measurements and legend will receive higher marks (See judging section for more details). Take a photo of design.
2. Your boat measurements must be a maximum length of 12 inches and no wider than 6 inches. Take photos of boat with measuring tape or ruler to prove the measurements.
3. Video must be taken to complete the following steps:  
Step 1: Start filming. Place the boat in water let the boat float for 30 seconds. If the boat doesn't sink, move onto next step.  
Step 2: Add first ziploc bag and let boat float for 30 seconds.  
Step 3: If boat is still floating, add the second ziploc bag and let float for 30 seconds.  
Step 4: If boat is still floating, add the third ziploc bag and let float for 30 seconds  
Step 5: If boat is still floating, add last ziploc bag and let float 30 seconds.  
Step 6: You may stop filming now (or anytime after boat sinks).  
If boat sinks at any time, please keep track of how long the boat floated for and submit the time with your pictures. Example: 2<sup>nd</sup> ziploc bag was added and the boat only floated for 10 secs.
4. Once the boat sinks the challenge is done.
5. Please send photos, videos and final floating time recorded along with your name and grade level to [skillsmb@skillscanada.com](mailto:skillsmb@skillscanada.com) by January 10th by 12:00pm.

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## Judging/Scoring

### Weight Challenge

Boat floated with no weights	<b>5 points</b>
Boat floated 30 secs with 1 ziploc bag	<b>10 points</b>
Boat floated 30 secs with 2 ziploc bags	<b>15 points</b>
Boat floated 30 secs with 3 ziploc bags	<b>20 points</b>
Boat floated 30 secs with 4 ziploc bags	<b>25 points</b>

### Overall Visual Design - Creative design, visual appeal

Challenger's submission was made from correct materials and met either one of the measurement requirements (Length or Width)	<b>5 points</b>
Challenger's submission was made from correct materials and met both of the measurement requirements (Length and width)	<b>10 points</b>
Challenger's submission met construction criteria, used proper materials and had decorations	<b>15 points</b>

### Design Plans

No plan was provided	<b>0 points</b>
Challenger had plans with measurements	<b>10 points</b>
Plans were to scale with measurements outlined. Provide length and width.	<b>15 points</b>
Plans were to scale with measurements outlined. Provide length and width. Straight end was used. Lines neat and clean.	<b>20 points</b>

For more fun activities like this one, check out this link: <https://safeathomemb.ca>



[safeathomemb.ca](https://safeathomemb.ca)

