

Catapult Challenge

Challengers are required to create their very own catapult! Each challenger will be judged on visual design, construction, distance challenge and blue prints!


Now get building!

**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-\$60, 2nd place-\$40, 3rd place-\$20.

All winners will receive Amazon e-gift cards.



**Contest starts
May 24th and
ends June 6th
at 4:00 p.m.**

Challenge Materials

Materials needed from Home

You can use any material found around your house for catapult construction (popsicle sticks, elastics, pop bottles, spoons, Lego, etc.). For weight challenge you will need a small marshmallow.

Challenge Rules

1. You **MUST** draw blueprints for your Catapult project on paper first. Blueprints with measurements and legend will receive higher marks (See judging section for more details). Take a photo of blueprints.
2. Time to get building your catapult. Catapults dimensions may be no bigger than 10 inches tall, 8 inches long and 8 inches wide. Take photos of project with measuring tape or ruler to prove the measurements.
3. After catapult is complete, run a distance test. Using a measuring tape measure out 10ft. Place catapult at 0. Place marshmallow on catapult and fire. Send us a video of your catapult firing the marshmallow, make sure to include close up video proof of the distance the marshmallow travelled.
4. Please read judging/scoring section below for full details on how you will be graded.
5. Please send all photos, videos and documents, along with your name and grade level to shawnao@skillscanada.com by June 6th at 4:00 pm

Note: Photos may be posted to Skills Manitoba social media pages unless otherwise requested by the submitter. Photos must be appropriate for all audiences. Any offensive photos will not be posted and are automatically disqualified.

Catapult Challenge



Judging/Scoring

Overall Visual Design - Creative design, visual appeal

Challenger's submission met one of the following requirements:
height, length, width. Challenger sent photo proof.

10 points

Challenger's submission met two of the following requirements:
height, length, width. Challenger provided photo proof.

15 points

Challenger's submission met all of the following requirements:
height, length, width. Challenger provided photo proof.

20 points

Design Plans

No plan was provided

0 points

Challenger had plans

5 points

Challenger had plans with measurements. Plans were to scale with
measurements outlined. Provide dimensions in a photo.

15 points

Plans were to scale with measurements outlined. Provide dimensions
in a photo. Straight end was used. Lines neat and clean.

20 points

Distance Challenge

Challenger provided video proof of marshmallow travelling between
0-2 ft. (video included close up of distance travelled)

5 points

Challenger provided video proof of marshmallow travelling between
2-4 ft. (video included close up of distance travelled)

10 points

Challenger provided video proof of marshmallow travelling between
4-6 ft. (video included close up of distance travelled)

15 points

Challenger provided video proof of marshmallow travelling between
6-8 ft. (video included close up of distance travelled)

20 points

Challenger provided video proof of marshmallow travelling
8+ ft. (video included close up of distance travelled)

25 points

For more fun activities like this one head to our website:

<https://skillsmanitoba.ca/resources/safe-at-home-challenge/>

**Challenge
Total Marks**

65

* The winning photos may be posted to our social media accounts
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