

Note Page
CBES Science Olympiad 2021-2022
Brynn (Seiler) and Peyton (Boos)

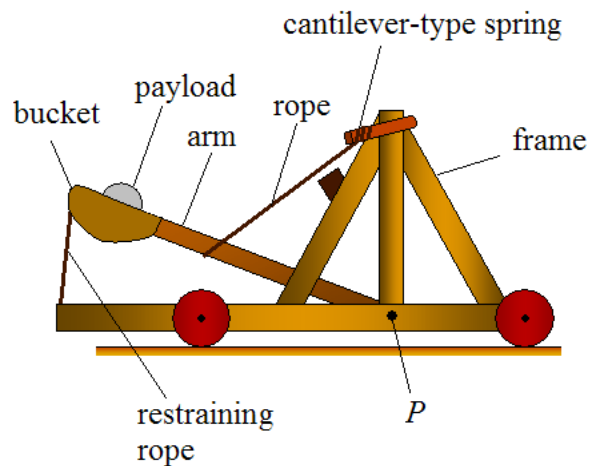
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This is the place to paste links and to type notes as you prepare the week of March 19, 2022.

[Here](#) is the link to the event rules.

We will have 5 min to launch our marshmallow from our catapult.

Rules :has to be 60cm from the floor. Cant have metal on catapult. Nothing can hold down the catapult {like weights}.



Marshmallow Catapult

1. DESCRIPTION: Teams will build in advance a device constructed out of specified materials to launch a marshmallow at a target placed on the floor. The goal is to land as close to the center of the target as possible.

2. ESSENTIAL STANDARDS ALIGNMENT: 3.P.1, 4.P.2, 5.P.1, Science as Inquiry

3. TEAM OF UP TO: 2

4. MAXIMUM TIME: 5 min.

5. TEAMS: Teams must bring their catapult and safety glasses.

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6. **EVENT LEADERS:** Must provide full-sized Kraft Jet-Puffed marshmallows, score sheets, tape measures, and targets.

7. **SAFETY REQUIREMENTS:** Teams must wear safety glasses throughout the event.

8. **IMPOUND:** Yes, all devices will be impounded prior to any launches.

9. THE CATAPULT:

a. Energy may be provided by one mousetrap (no rat traps) and any number or kind of rubber bands. These must supply all the energy for launching the marshmallow. b. The lever arm and base must be non-metallic. No energy from these should be provided to the launch. c. The device must have a trigger or switch that can be activated by a team member using a pencil or string to start the launch. Students cannot hold the base steady while they are launching. d. No part of the catapult is allowed to be higher than 60 cm from the floor when the launch is triggered. e. The entire catapult must be behind the launch line before, during, and after all launches. f. Other construction materials may be used, but no sharp objects, liquids, flames, flammable substances, or projectiles will be allowed. Violations will disqualify a catapult. g. No part of the device will be allowed to leave the catapult during a launch except the marshmallow.

Brynn,

Here is the link I would like you to see:

https://docs.google.com/document/d/1ISlp1G6jL5WpM54J8AZCJko4TX_Pr0FBCDWZY39Xyzo/edit