



Engineering Day 2021

Pencil Catapult Competition - UPDATED

Goal:

Create a catapult that will accurately launch a #2 standard pencil.

Rules/Judging:

1. Students will design and build a catapult in advance of the competition.
2. Dimensions of catapult cannot exceed 3 feet in length, 3 feet in width, or 3 feet in height.
3. Catapult should launch a pencil aimed to hit a target 25 feet away. Target will be a paper bull's-eye target lying on the ground. Center of target will be 25 feet away from line where launchers are to be placed.
4. Any type of material can be used to build the catapult.
5. Catapult can be launched by pulling back by hand or by trigger release mechanism.
6. Pencils will be provided on contest day. Pencils will be new and unsharpened. Pencils can not be modified prior to launch.
7. Each team will get 3 launches.
8. After the 1st launch and/or 2nd launch catapult can be repositioned. If catapult is adjustable by design, adjustments can be made.
9. No more than four team members per catapult.

Score:

The score will be the sum of the distance from the target for each of the three launches. The team with the lowest score wins.

