

Catapult Challenge



Objective

- Objective: Teams will have 3 attempts to launch their projectiles in an effort to land them in the center of 3 concentric circles. The catapult playing field will be a maximum of 35 feet in length and 3 feet in width. The center of the target will be placed at a distance between 20 and 30 feet from the front edge of the launch area, to be established at the competition. The playing field will be relatively flat. The team who earns the most combined points will proceed to the winner's board.

Parameters

- The maximum weight for each catapult is 10 pounds
- There will not be any size requirements for this competition
- A launch will be counted once the projectile leaves the forward plane of the launch area, whether intentional or not
- A maximum of 2 minutes will be allowed between launches
- Catapult must be placed at same spot for each launch but can be pivoted.
- The score will be recorded as the point where the projectile hits, not where it eventually lands
- Point structure will be: 3 points for bullseye, 2 points for second circle and 1 point for outer circle **{ Additional targets will be added for BONUS points}**
- Projectile will be provided to teams by September, well in advance of competition

Notes

- All catapults must be weighed before competition begins. If they do not meet weight requirements they will be immediately disqualified.
- If multiple catapults achieve the exact same points, they will have a shoot-off with one shot at a new distance to determine the final winner. This will be repeated until a winner is determined.
- Each team will be permitted one practice shot before beginning the competition for calibration purposes.

Materials

- All catapults must be weighed before competition begins. If they do not meet weight requirements they will be immediately disqualified.
- Each team will be permitted one practice shot before beginning the competition for calibration purposes.