



High School Catapult Competition
Southeastern Community College, Loren Walker Arena, West Burlington
Wednesday, April 8th, 2015
9:00am-2:00pm

COMPETITION REQUIREMENTS:

Each team consisting of 2-4 persons will submit one stationary catapult built by the members of the team. Only 2 members of the team will be able to participate in the launching of the catapult at the competition. Schools may send a maximum of 2 teams.

The catapult should not exceed the dimensions of 40cmx40cmx40cm in any configuration (cocked or uncocked). Catapults that do not fully fit inside a 40cmx40cmx40cm box will not be allowed to compete. The energy source of the catapult shall be elastic or gravitational. No motors or chemical device may be used as a source for the propulsion of the clay. Once catapults have been deemed to meet the requirements of the competition team members will not be able to handle their catapults until they compete.

GROUND RULES:

1. Catapults will be required to launch a ball of clay that weighs 15 grams. Clay will be weighed and supplied by the judges.
2. Only two members of the team can participate in launching.
3. The catapult must be launched from the floor and must stay behind the marked off launch line at all times or they will be disqualified.
4. Targets will be placed on the floor at 15 and 30 feet.
5. Once the catapult is placed behind the line and the clay is placed in the projectile holder the team members will have a maximum of one minute to launch. If they exceed one minute it will result in a default score of 8 feet.
6. Each team gets three tries total for closest to targets (measured radially from target) and distance (measured from launch line). Best of 3 is recorded.

AWARDS:

1. Most decorative
2. Most innovative
3. 1st, 2nd, and 3rd place for Furthest Distance
4. Closest to targets at 15 and 30 feet
5. Best Overall Catapult

All team members that sign up by March 23, 2015 will be guaranteed to receive a t-shirt. We will provide a lunch of pizza and soft drinks to team members and one adult.

All students participating will be eligible to apply for a \$500 scholarship towards enrollment at Southeastern Community College in one of the following programs: Advanced Manufacturing Technology, Construction Technology, Drafting Technology, Electronics Technology, Industrial Maintenance Technology, Welding. The scholarship must be used by Fall 2018 and applications due by August 1, 2015.

Teams are invited to display their catapults at the Southeast Iowa Regional STEM Festival on Saturday, April 25th. We will be showing videos and have pictures of the event on display.