



Double Egg Drop Challenge



Description:

Each team (limited to 2 people) will construct a container that will prevent two eggs (Grade A Large) from breaking as they are dropped from a spot selected by the teacher. Points will also be awarded for landing on the center of a target!

Container and Materials:

- 1) Containers (or boxes) must be less than 20 centimeters on any side - length, width, and height.
- 2) Metal, wood, and glass materials (including fiberglass) are NOT allowed for safety reasons. You may use other materials, such as rubber bands, tape, plastic, cardboard, cotton balls, tissue paper, or other packing materials on the inside of the container.
- 3) The outside of the package may not contain any materials that will aid the package in adhering to the target, such as tape, glue, etc. Tape may be used to seal the package shut, but cannot be added to the outside of the package to help it stick to the target.
- 4) Parachutes are not allowed.

Competition:

- 1) Containers and materials will be impounded on competition day after they have been checked in by one of the event judges. NO modifications or additions will be allowed after that time. You cannot add tape, rubber bands, etc. at the time of the drop unless the materials were checked in with the container. For example, if you need tape to seal the package shut, it must be on the package at check in time.
- 2) All parts of the container must begin above the designated drop line. Students may bring their own plumb lines to assist them in lining up their container with the target.
- 3) DO NOT BRING EGGS - They will be provided by Mrs. Trimpe!

Scoring:

- 1) Each container will be dropped from a height (no more than 20 meters) and location determined by the teacher, such as the high school football bleachers or a tall ladder.
- 2) The goal of the contest is to have the container land and remain on the center of the target without the eggs breaking. An egg will be considered broken if it leaves a wet spot on a paper towel.
- 3) The score will be determined by measuring the distance between the furthest edge of the package and the center of the target. If the package breaks apart at any time, the distance between the center of the target and the furthest piece will be recorded.