

STRAW EGG DROP

Description: Each pair of students will make a device of straws and masking tape, supplied on-site by the event supervisor, to hold a large, raw egg. The device containing the egg will be dropped from a fixed height to a target.

Team Size: 2 Students

Approximate Time: 45 Minutes

The Competition:

Note: The eggs will be kept at room temperature.

1. Each pair of students will be provided with:

- a. 20 plastic non-flexible straws
- b. one meter of one inch masking tape
- c. scissors
- d. one raw egg (large)



- Note: If students break egg #1 during construction, they will be given a*
2. Students will have 20 minutes to construct a device to cushion the egg and prevent it from cracking or breaking. They will have 10 minutes to drop the device from a height of 2 - 3 meters onto a target. No tape may be attached to the egg. *second egg. If egg #2 breaks before dropping, see #3 below.*
 3. There will be ONE drop per team from the prescribed height.
 4. Plumb lines will ~~NOT~~ be allowed during the competition. *Teams may bring their own or use the one provided by the event manager.*

Scoring:

1. Teams whose egg is unbroken after the drop will be ranked ahead of all teams whose egg is broken.
2. Teams whose egg is broken during the drop will be ranked after all teams whose egg is unbroken.
- ③ Teams whose egg is broken before the official drop will drop the empty container and be ranked after all teams whose egg is broken during the drop.
4. Teams in each of the three groups above will be ranked by the distance measured from the center of the bulls-eye to the farthest edge of the container or the farthest edge of any parts thrown from the container (not the egg).
5. The winning team will be the team whose egg does not crack or break AND is the closest to the target. In the event of a tie, construction time for building the containers will be the deciding factor.