

Rules for the Egg Drop Contest:

1. The device must be able to protect an egg from breaking after falling at least one story. If your egg survives, you will move on to the next round which is one story higher - up to nine (9) stories. See the judging criteria below for the case of ties.
2. The device must not exceed 8" cubic area (8" x 8" x 8").
3. The following requirements are given for the loading of the device:
 - a. The devices should not be loaded with an egg before the competition.
 - b. All devices should be designed to be easily loaded by a third party at the competition, i.e. within 1 minute or less. (This factor may be used to determine a winner.)
 - c. If there are special instructions for loading the device, these instructions should be provided on a regular 8.5" x 11" sheet of paper with the student's name(s) and competition registration number together with the submission of the device.
4. The following materials are **not allowed** in the design:
 - a. Any type of parachute contraption (designs must be able to free fall)
 - b. Packing peanuts
 - c. Metals (except for conjunction items such as screws, staples, paperclips, etc.), glass, chemical containers, Styrofoam (with the exception of whole Styrofoam cups), and thick wood (such as 2x4) and any food products.
5. Student(s) must sign up by March 13th, 2019 on the BTHS.edu site. The device drop off location will be emailed to students who register.
6. The contest is on March 18th, 2019 at 3:30 PM starting in the first floor center lobby.

Line-up begins at 3:00 P.M.

Judging Criteria:

A panel of BTHS faculty and affiliates will judge the devices according to the conditions mentioned below.

1. The egg remains intact. If any of the egg's contents spills, the design is disqualified.
2. The egg which survives the highest fall is considered the winner. If there is more than one device which qualifies to be the winner, the judges will determine a winner based on the following.
 - a. **The size and weight of the design:** Most points are awarded for the minimum size and weight.
 - b. **Ease of operation:** Most points are awarded to the device which is the easiest to load.
 - c. **Creativity and Engineering Practice:** Most points are awarded to the device which demonstrates the most creative design solution, the greatest knowledge of physical sciences, and the greatest craftsmanship.
 - d. **Durability of the Device:** Most points are awarded to the device with the least damage by the end of the competition.
 - e. **Discretion of the judges**

Awards

Humpty Dumpty Award – the device with the egg that breaks in the most spectacular fashion

1st Place Winner

2nd Place Winner

3rd Place Winner

Eggelicious – egg drop device that is aesthetically pleasing to the judges

Eggonomical – egg drop device that is the most practical and successful