



2020 EGG DROP GUIDELINES

GENERAL:

The contestants shall design and build a shipping container that will prevent an uncooked chicken egg (Grade A Large) from breaking when dropped from the first floor inside the Oliver H. Raymond building to the basement. At the discretion of the judges, surviving eggs will then be taken to the second floor of OHR and dropped a second time. The container must be less than 216 in³ in volume with no single dimension longer than 10 inches. The maximum weight, including the egg, cannot exceed 2.5 pounds. Contestants must be able to remove the egg without damage.

MATERIALS:

Any material may be used in the design, as long as the structure meets the design and contest rules as outlined below.

DESIGN AND CONTEST RULES:

1. No kits or pre-made designs may be used. The structure must be the individual's invention.
2. The structure must be completely released (no strings or other attachments) **NO PARACHUTES!**
3. The structure must land in a designated target area.
4. No gases (i.e. helium) other than air can be present in the structure when it is weighed.
5. Volume will be calculated based on the outside shape of the container (inside air volume/space will **not** be subtracted out).

JUDGING:

1. Grade A Large eggs will be supplied at the competition. You cannot bring your own egg.
2. All containers will be inspected by judges before they are dropped.
3. Once an egg is weighed-in with the structure, that egg cannot be exchanged with another.

4. The score will be based on the following rubric:
 - 25 points if the egg does not fully crack after the first drop
 - 30 points if the egg does not fully crack after the second drop
 - 20 points if the egg shows no signs of any form of cracking
 - 10 points if the container is less than 1 pound
 - 20 points if the container is less than 0.5 pounds
 - 5 bonus points for UK blue and white colors
5. The containers will be dropped from one story. The second and final drop will be from two stories. Only two drops will be made.
6. The egg must be accessible after the first drop to check for any cracking.
7. The level that an egg is cracked (either fully or partially) will be determined by the judges. A partially cracked egg will have slight opening but not leaking. A fully cracked egg is when the inside contents of the egg have been leaked.
8. The winner will be determined by the container with the greatest total score.

PRIZES:

1. The top three contestants with the most points will be rewarded with various gift cards from different shops and restaurants.
2. First place will get first pick out of three gift cards.
3. Second place will get to choose one from the remaining two gift cards.
4. And Third place will get the last gift card out of the three.
5. The gift cards will be around \$10-\$20 each.

EGG DROP COMPETITION

Evaluation Worksheet

School Name: _____

SECME Coordinator Name: _____

Container Name: _____

Student Name: _____

Student _____ Name:

Judge Name(s): _____

Date: _____

THIS SECTION TO BE COMPLETED ONLY BY THE JUDGES

Drop #1		
Survival:	Yes	No
Fully survived:	Yes	No

Drop #2		
Survival:	Yes	No
Fully survived:	Yes	No