**Overview**: You or your team will construct and test a container intended to protect a dropped egg. The materials (listed below) must fit into a set container for the construction to be legal. Teams decide which side of the container is oriented toward the ground when the container is dropped.

**Allowed Materials**: cotton balls • cardboard • sponges • masking tape • newspaper • saran wrap

• straws • paper towels

**Phase 1: The Design**

When you are designing this apparatus, there are a few things that you need to keep in mind… This device must be protective. The raw egg inside must not crack. After brainstorming, describe what you plan to use and how you are going to create the pod for the raw egg. Experience and computer research could help in the DESIGN Process.

**LIST THE MATERIALS YOU INTEND TO USE**

1.

2.

3.

4.

5.

6.

7.

**Phase 2: Testing**

YOUR DESIGN must fit into a designated container and material list approved by Mr. Pytleski. Each group will start at 1 meter.

**Phase 3: Actual Drops: Complete the Chart**

One RAW EGGS WILL BE PROVIDED AT THE DROP SITE. THE STUDENT SHOULD BRING A SMALL REPAIR KIT FOR THEIR APPARATUS, I.E. TAPE, SCISSORS, AND LEFTOVER MATERIALS PROVIDED ETC. BE FULLY PREPARED AND BRING ALL ITEMS TO THE DROP SITE.

Team Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| Height | Successful (+) Unsuccessful (-) |
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**FINAL PHASE: Conclusion Questions:**

Reflection… Now that you have been through the process and observed many different types of containers, what was one common item similar of the containers that protected the egg the best?