# Egg Drop 2012

### Defy Gravity and Newton’s Laws!

Objective: This is an individual project to be done at home. You are to build a capsule that is the lightest possible weight, and yet durable enough to protect an egg from cracking or breaking when thrown off of the third story roof.

**SCORING: This is a test grade.**

100 – Lightest vehicle in each class (egg must survive fully intact)

95 - Egg survives the fall fully intact

85 - Egg is cracked, but intact

75 - Egg is broken

50 - Disqualified Project

0 – No project, no egg or improper handling of egg (no late projects will be accepted).

Due Date: LONG BLOCK March 29th OR 30th

**RULES**

* Only RAW, store bought chicken eggs; size medium or larger may be used. You may NOT soak the egg in vinegar (easily picked out due to smell).
* Your egg must first be placed in **a plastic bag**!
* The project must weigh less than 200 grams (without egg).
* Your egg project must be smaller than an 8” x 11” sheet of paper on *EVERY* side/diameter.
* No store bought kits are allowed
* No balloons or parachutes are allowed.
* Your capsule **must have a hatch or opening** to *easily* extract the egg.
* You may not use Nerf balls, pillows, or stuffed animals to protect your egg.
* You may bring in your project early for an official measurement of its dimensions and weight - if your project is overweight or too large you may take it home and make any necessary alterations.
* Once a project is in school it may not be touched by anyone other than its owner. WRITE your name and class period on it.
* Once a project has hit the ground it will be your responsibility to retrieve your egg and show it to the score keeper for scoring. If there are any doubts as to the condition of the egg, Mr. Hounslow will be the final judge.
* **If any of the above rules are broken your project will be disqualified**.

Remember that these will not necessarily be “dropped” egg-xactly how you want it to be dropped. A good design will protect the egg from any angle.