



Objective: To build a structure that will catch undamaged a raw egg dropped from more than 5.00 m.

Materials: Large raw egg, Hot glue, Coffee Stirrers, Toothpicks

Teams: You may work alone or with one other person from the same block. Partners must be approved by your teacher

- Rules:**
1. The materials may be cut but **not** bent or in any other way deformed
 2. The egg must be easily recovered after each trial
 3. Eggs will be supplied the day of the trials by your teacher
 4. Eggs may not be altered in any way
 5. Only coffee stirrers or toothpicks supplied by your teacher may be used
 6. The structure may not have a footprint outside a 25.0 cm per side square
 7. The structure may not be taller than 50.0 cm

Trials: Each structure will be given a maximum of three catches.
All catches will be preformed during the same block.

Grading:

Testing of Design	100 points
Outcome	50 points*
Explanation of Outcome	100 points

*these points will be determined by these rules
25 points if egg is not broken
25 points for mass of structure minus a point for every 2 grams over 50.0g

$$Score = 25(egg_broken) + 25 \left[\frac{100}{50 + mass} \right]$$

Due Dates: See Individual Class Syllabus

