**Egg Drop**

**OBJECTIVE:**

Create a casing around an egg to protect it during landing from a high fall.

**TERMS TO GO OVER:**

Gravity

**PRE-LAB DEMONSTRATION MATERIALS:**

* 2 large eggs
* Razor
* Bowl
* Paper towels
* several large book
* Sanitary wipes

**PRE-LAB DEMONSTRATION PROCEDURE:**

1. Using the razor, cut the eggs in half across the middle without causing it to crack.
2. Place the yolks and whites in a bowl and wipe out the inside of the shells with paper towels.
3. Place the halves so their curved ends are pointed upward to form a square pattern.
4. Next, gently place one book on top of the eggs. If the eggs don’t break, keep placing more books until the eggs finally break.

**WHAT IS HAPPENING?**

The half of egg is an arch, which is a very strong structural shape.

**LAB MATERIALS:**

* Eggs
* Pipe cleaner
* Straws
* Scissors
* Tape
* A high place to drop the egg

**GROUP LEADER/VOLUNTEER/TLC ROLE**

Assist students with their structures.

**SETUP PROCEDURE**

1. Cut pipe cleaners into 1 inch pieces

**LAB PROCEDURE**

Using the pipe cleaners as the angles, connect the straws into a protective casing and secure with tape.

Afterward, find a location that is high (someplace most convenient for you) and drop the eggs.

Optional: have the students whose eggs broke rebuild their structure based on students’ casings which protected their eggs.