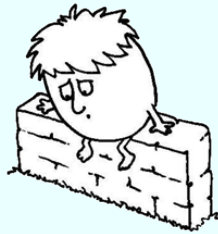


Egg Drop



PURPOSE:

- The purpose of this experiment is to construct a container that will protect an egg from a drop off Daylis Stadium.
- The purpose of this experiment is also to measure and analyze the motion of an object in free fall.

MATERIALS:

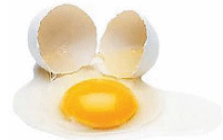
You are only allowed to use the following materials in the construction of your egg transporter:

1. 15 straws and the wrappers
2. 1 sheet of newspaper
3. 2 rubber bands
4. 2 feet of tape
5. 1 plastic cup

PARAMETERS:

The egg transporter must fit the following parameters:

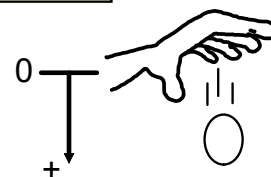
1. Dimensions must fit in a 25cm x 25cm x 25cm cube.
2. NO parachutes!
3. Egg must be easy to insert and recover



Egg Drop Rubric

CORRECT PARAMETERS		10
SUCCESSFUL DROP		5
LAB REPORT		
TITLE		2
PURPOSE		2
HYPOTHESIS		2
MATERIALS		2
PROCEDURE		8
DATA		4
CONCLUSION		8
TOTAL		43

Egg Drop



- 1) Procedure
 - Build
 - Guidelines
 - Data
 - Calculations
- 2) Data
 - Drop height
 - Drop times
- 3) Calculations
 - Average time
 - Use height and average time to calculate accel.
 - Use accel. to calculate V_f .
 - % error for accel.