

EGG DROP ACTIVITY

Introduction

You have the challenge to drop an egg without it breaking from a second story window. The only materials to protect this egg from its fate are toothpicks, straws, and other typical objects. It is up to you to create a protective barrier around the egg acting like a parachute.

Learning Objectives

1. An introduction to the principles of physics and understanding the design process (doing many trials based upon ideas and improving each time).
2. Be able to understand the following concepts: forces of gravity, drag, and air resistance. (Please cover this material separately)

Materials

1. Eggs
2. Toothpicks
3. Straws
4. String
5. Ballon
6. Sheet of paper
7. Hot glue
8. Popsicle sticks

