



EVENT #4 - EGG DROP

Goal: Build a pouch that protects an egg from breaking when dropped from various heights.



Materials List

- Cardboard
- Newspaper
- Masking tape
- Rubber bands
- Small containers or boxes
- Step ladder

Design Requirements

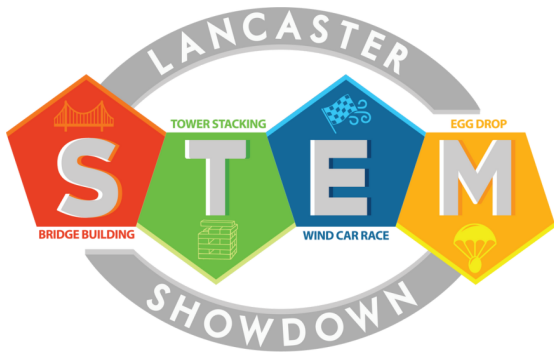
- The pouch must weigh less than 5 lbs
- The egg must be visible (aka not completely wrapped)
- Use no balloons

Lesson Highlights

- Students will think like an engineer to solve a problem: How to protect an egg as it falls from a high place.
- Explain the parameters of the design requirements to the students and introduce the materials.
- The majority of this workshop should be making and testing designs. We suggest not introducing eggs until the end.

Measure Success: In the final event, the drop height will increase. The overall winner will be determined by who can protect their egg at the highest height.

Each student who completes the workshop should receive a sign-up flyer!



You Did It!



You've qualified for the EGG DROP COMPETITION at the LANCASTER STEM SHOWDOWN!

Follow the link below to sign up for the competition to be held on:

Saturday, January 11th, 2025 from 10am - 12pm
at McCaskey East High School

Space may be limited, so be sure to sign up now!

EVENT #4 - EGG DROP

