

EGG DROP

DESIGN CHALLENGE

An object in motion will stay in motion unless acted on by an outside force.

How can we protect an object in motion from the destructive impact of an outside force?

Plan

- Using materials found around your home, how can you create a structure to keep an egg intact?
- What materials will you use? Use anything you'd like! Ideas include straws, tape, or cardboard tubes.
- Draw your design idea before you build.

Build

- Create your protective structure.
- As you build, determine when to place the egg inside it's protective, new home.

Test & Review

- Find a safe spot to drop your egg. Create a "Drop Zone" using newspaper or a tarp for easy clean-up.
- If you are dropping multiple eggs, make sure to drop them from the same height each time.
- Was your design a success?
- If you were to do this activity again, what would you do differently?

Tools/Materials



Egg
Tape
Various Recycled Materials



Tips

For less mess, place your raw egg into a plastic sandwich bag before adding it inside your safe structure. The sandwich bag will contain the mess if your egg happens to break.