

The Egg Drop Eggs-periment

Experiment

You will need

Uncooked eggs *required

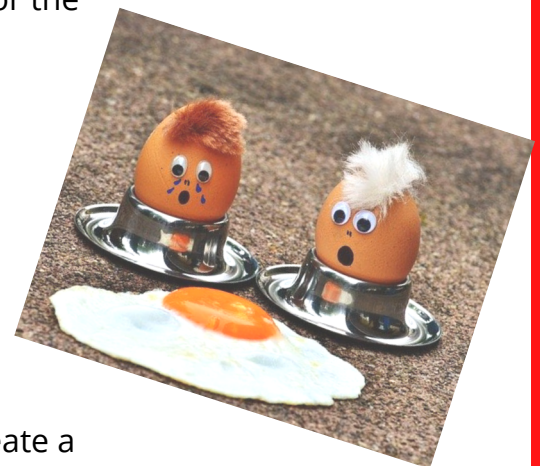
The below is a some suggestions but you can use materials that you have at home or even in your recycling bin.

- Scissors
- Sticky tape
- Balloon
- Paper
- String, ribbon, cotton balls etc...



Objective

Design something to protect the egg from a fall using recycled materials from your home. The aim is for the egg not to crack or break for the below challenges.



Instructions

1. Use the action plan on the following page to design and create a structure to protect an egg from breaking and cracking from a fall.
2. Start building it using the materials you've found at home.
3. Try the three challenges below.
4. Check your egg after each challenge ,is it cracked or broken?

Challenges to test your eggs-periment

1. Drop structure from waist height
2. Throw structure at wall* outdoors
3. Drop structure from a height e.g. from a window, off balcony etc....

**Bring an adult with you to help you*

A great
STEM
challenge



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Action Plan for the Egg Drop Eggs-periment

What materials will you use?

Why do you think this will stop the egg from breaking or cracking?



Draw a picture of how you will use the materials

How did it go?

Would you do anything differently?



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