

# EGG PARACHUTES

How can drop an egg from a height without it breaking?



## YOU WILL NEED

- An egg
- Junk modelling materials
- Carrier bags/plastic sheeting
- String and tape

## HOW TO DO IT

- 1) Design the parachute that will carry your egg to the ground
- 2) Next build the section of your parachute that will protect the egg
- 3) Attach the egg protector to the parachute using string
- 4) Carefully insert the egg.
- 5) Take your parachute outside to test it!

## QUESTIONS



Which parachutes worked best? Why? How could you adapt your design?



**Investigate:** Which materials work best; heavier or lighter?



**Investigate:** Research the packaging used to protect breakable objects.

## WHAT IS HAPPENING?

Before we drop the egg it has potential energy. The higher the egg, the more potential energy it has. As the egg falls, this is converted into kinetic energy.

Gravity pulls the egg to the ground. However, the parachute can help to slow the speed of impact, protecting the egg. Lighter materials also slow the speed of impact.

