



The
egg-cellent
egg
challenge!





Your challenge is to create a 'pod' to safely carry an egg when it is dropped from a height of 2 metres.



Watch this video and think about how you might protect your egg from breaking.

<https://www.youtube.com/watch?v=vMDtiYhoymc>



Discuss with an adult which of these designs you think is the best?



Instructions to make your pod

- Your pod will be dropped from a height of 2 metres.
- Your pod will be made from recycled materials from your home, these could be:
 - Cereal boxes, shoe box, margarine tubs,
 - Toilet or kitchen roll tubes
 - Straws, string
 - Balloons
 - Newspaper, Tissue paper
- You will have to use at least 3 different materials.
- You will get extra marks for a creative design and thought about the structure of the model.

What you need to do!

1. Make a list of materials you could use.
2. Sketch out some ideas for your pod and label the materials.
3. Choose your design and materials.
4. Select your egg and draw a face on it!
5. Make your pod.
6. Take a photo of your pod.

It's important to test your design. Discuss why this is necessary with an adult.

- Ask an adult to drop your pod from a height of 2 metres. First do this without including the egg to see how it performs.
- What improvements do you think you need to make to your design?
 - Add these improvements to your sketch and make the adjustments to your pod.

Finally, drop your egg!

- Ask an adult to drop your pod from a height of 2 meters.
- Challenge: What is the highest height an adult can drop your egg from before it breaks. Please do this responsibly.
- Take a picture of your pod being dropped and then write, draw or even send a video to your teacher explaining what you did.

Good luck and have an egg-cellent time!!!