



EGG-TASTIC

Your challenge is to build a crash helmet for an egg so it can fall 1.5m without breaking!

WHAT YOU NEED

A variety of different materials such as straws, egg cartons, Polystyrene packaging, cotton wool, furniture foams and cardboard boxes – whatever you can get

- ◆ Sticky tape
- ◆ An egg
- ◆ Scales
- ◆ Plastic sheeting

WHAT TO DO

1. Spread out the plastic sheeting as it can get messy
2. Take your egg and carefully weigh it
3. Your challenge is to use the materials you've been given to design and build a crash helmet for the egg. Think about a human crash helmet which has a layer of soft foam, then a layer of hard polystyrene foam and a hard outer layer
4. Place your egg inside the helmet and weigh it again
5. Take the first weight (the egg) away from the second weight (the egg and the helmet) to get the weight of the helmet
6. Drop the egg in its helmet from a height of approx. 1.5m
7. Did it break?!!
8. Now compare your helmet with the one your mate has made. The lightest helmet in which the egg survives wins!

