

Design and Technology — After the Fall-Egg drop challenge

| Design | | | |
|----------------------|--|--|--|
| Technologists design | | | |

criteria.

products to sulsil design

Technologists use a variety of lools and methods to accurately make a produck

Key Vocabulary

Make

Technologists accurately evaluate the strengths and weaknesses of their own and others'

products.

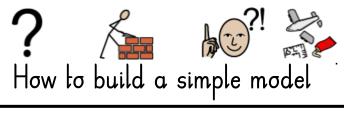
Evaluate

Technologists use wider lechnical knowledge lo inform the design, make and evaluate process.

Definition

Technical Knowledge

What should I already know?



Key Designer Volvo cars





Existing Products







parachutes

car safety mechanisms

air bags

What am I going to learn?

We will select different materials to successfully protect an egq in the 'egq drop challenge'.







| 3 | J |
|---------------|---|
| design 🦟 | A plan of what a product will look like |
| Investigating | Find out facts about something |
| Planning 🖺 . | Plan what materials we will use to protect our egg. |
| Weak | Will break easily. |
| Strong (Q) | Won't break easily. |
| Structure | 3D shape made of different materials and parts. |
| Join 🕦 💆 | Glue or lape materials together. |
| evaluate | Was the product a success or failure. |
| experiment? | A test carried out to find out an answer. |
| protect 1 | Stop something breaking. |
| | |

| Product Specification | Plan | Final Product |
|---|------|------------------|
| Investigate different materials to protect the egg. | | |
| As a group, design a strong product to protect the egg. | | |
| Join materials together to make a strong structure. | | |
| Has it worked to protect the egg.? | | |