

Design and Technology – After the Fall-Egg drop challenge

Design Technologists design products to fulfil design criteria.	Make Technologists use a variety of tools and methods to accurately make a product.	Evaluate Technologists accurately evaluate the strengths and weaknesses of their own and others' products.	Technical Knowledge Technologists use wider technical knowledge to inform the design, make and evaluate process.
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What should I already know?

How to build a simple model

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 egg in the 'egg drop challenge'.

Key Vocabulary	Definition
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	Won't break easily.
Structure	3D shape made of different materials and parts.
Join	Glue or tape materials together.
evaluate	Was the product a success or failure.
experiment	A test carried out to find out an answer.
protect	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?!		