

Year 1 Design and Technology: Structures

Key Learning

Design

I am designing a _____ for _____

My product will be _____

Drawings can be used to plan ideas.



The same **product** can be made from different **materials**.

We can test different materials to see which would work best.

Make



Holes can be used to make it easier to cut slits using scissors.



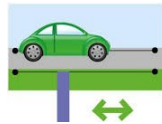
Holes can be made using a hole punch or a sharp pencil and blue tack.

Evaluate

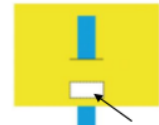


Some products meet or don't meet the design idea.

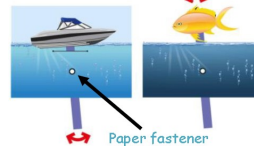
Technical Knowledge



Sliders can be used to make things go forwards and backwards or up and down in a straight line.



A bridge can be added on the back to keep the slider in place.



Levers can be used to make things move up and down or from side to side.

Extra layers of cardboard can be added to make things stronger.



Key Vocabulary

bridge	A small piece of card stuck of a slider to keep it in place.
design	A plan or drawing of what something will look like before it is made.
guide	A small piece of card stuck either side of the slider to stop it from moving from side to side.
lever	A bar that moves around a pivot. When you push a lever on one side it can help to move things on the other side. Levers can move things up or down or from side to side in an arch shape.
material	What something is made from.
pivot	The middle part of a lever. This is the point where the lever turns.
product	Something that is made.
slider	A bar that moves backwards and forwards along a straight line.
stronger	Making something less likely to break.