



Knowledge Organiser

Science—Everyday Materials Year 2

Materials and their properties

During the topic, we will explore why people choose to make things from certain materials.

These will include those below.

Wood can be used for:	doors, tables	because...
Plastic can be used for:	pens, rulers	because...
Glass can be used for:	windows, glasses	because...
Metal can be used for:	cars, coins	because...
Rock can be used for:	garden walls, old buildings	because...
Rubber can be used for:	tyres,	because...
Brick can be used for:	houses, walls	because...
Paper can be used for:	books, wrapping paper	because...
Card can be used for:	folders, birthday cards	because...
Fabric can be used for:	clothes, towels	because...

Changing Shape

We can change the shape of different materials by...



Squashing



Bending



Twisting



Stretching

What things can you see around your house which can be shaped in these ways?

Key Vocabulary

Properties	A way to describe something
Material	The 'stuff' an object is made out of
Liquid	Liquids can flow or be poured easily.
Surface	An outside part or layer of something.
Object	A thing that can be seen and touched.
Inflatable	Can be filled with air
Rubber	A tough material that can be shaped
Fabric	Cloth produced by weaving or knitting

What I can do at home

Investigate	<p>Look at different things around your home and explore which are best for certain jobs:</p> <ul style="list-style-type: none"> - What is the best for soaking up a spill drink? - What is the best for keeping you warm outside? - What is the best at floating in the bath?
Explore	<p>When squashed or twisted? Which materials are best at returning to their original shape?</p>

Communicate

Talk to an adult at home about the things below. You don't need to record this.

I wonder what the best material is?

Do you think it is better for something to be see-through or opaque?