



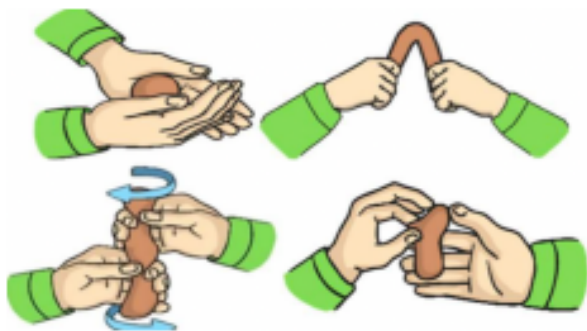
What should I already know?

I can name different materials.

I can describe the properties of different materials.

What am I going to learn?

- I will understand how materials can be changed by squashing, bending, twisting and stretching.



- Using my knowledge of properties, I will be able to explain why a material might or might not be used for a specific job.

Vocabulary

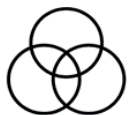
Bend	To force something that is straight into a curve.
Squash	To push something together so that it changes shape.
Stretch	To pull something and make it longer.
Twist	To turn something that is still.
Rigid	Not able to change shape easily.
Flexible	Able to change shape easily.
Fragile	Can be broken easily.
Strong	Cannot be broken easily.
Suitable	Right for the situation or purpose.
Purpose	Something's job.

Enquiry Types	Observing changes over time	Pattern Seeking	Identifying, Grouping and Classifying	Fair Testing	Research	Problem Solving
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Connecting Concepts



Observe



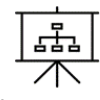
Identify, group and classify



Ask/ answer questions



Plan/perform investigations



Interpret and communicate results

I will observe how different materials can be changed through squashing, bending, twisting and stretching. From this, I can group them and classify their properties.

I will ask questions about the suitability of a material and select sensible materials to test.

I will plan an investigation to find the best material for a given purpose.

I will interpret my results and use them to explain which is the most suitable material.