

What I might already know: Name everyday materials and describe some of their properties.

KEY QUESTIONS:

Some **materials** can change shape when you **squash**, **bend**, **twist** or **stretch** them.

Materials that are **soft**, **bendy** or **stretchy** are often easier to change the shape of than materials that are **hard**, **rigid** or **strong**.

Squash an object by pressing on it.



Twist an object by holding both ends and twisting your hands in opposite directions.



Bend an object by trying to bring both ends towards each other.



Stretch an object by holding both ends and pulling your hands apart slowly and gently.



What we will be learning:

Some materials are used for more than one thing. For example, metal is used to make all of these things.

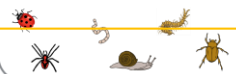


Different materials can be used to make the same thing. For example spoons can be made of different materials.


















The **properties** of a material affect their **suitability**, making them either suitable or **unsuitable** for particular uses.

Identifying, Classifying and Grouping



Can you group these items according to their properties and uses?

Material	Properties	Uses
wood 	opaque hard strong	table 
metal 	shiny smooth reflective	fork 
plastic 	waterproof bendy translucent	water bottle 
glass 	transparent waterproof hard	window 
brick 	hard rough dull	wall 
rock 	strong hard rigid	fireplace 
paper 	tears easily translucent flexible	book 
cardboard 	dull non-reflective opaque	boxes 
fabric 	flexible Soft absorbent	clothes 