

# KEY INFORMATION AND FACTS

## KEY VOCABULARY

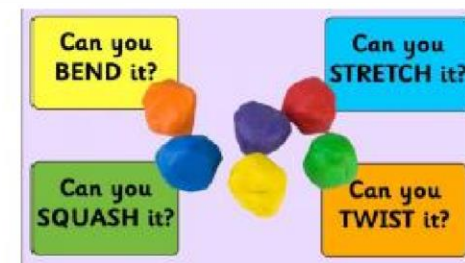
<p><b>material</b> Materials are the substance that objects are made from. Examples of materials are metal, plastic, wood and glass.</p>
<p><b>properties</b> Different materials have different features, or properties, which make them suitable for different uses.</p>
<p><b>suitable</b> How effective a material is for a task</p>
<p><b>transparent</b> Completely see-through</p>
<p><b>translucent</b> Let some light through but not completely see-through.</p>
<p><b>opaque</b> Not able to be seen through.</p>
<p><b>flexible</b> Bends easily without breaking.</p>
<p><b>rigid</b> Unable to bend or be forced out of shape.</p>
<p><b>absorbent</b> Able to soak up liquid easily.</p>
<p><b>reflective</b> Reflects light easily.</p>
<p><b>non-reflective</b> Does not reflect light.</p>

## Materials and their uses

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

## Changing Materials

<p>squashing</p>	<p>Clay can easily be pushed and pulled.</p>
<p>bending</p>	<p>Foil is bendy and waterproof.</p>
<p>twisting</p>	<p>This plastic bottle's shape can be changed.</p>
<p>stretching</p>	<p>A balloon is very flexible.</p>



Some solid objects can be changed by bending, stretching, squashing or twisting the material.