














# Lacock Primary School – Year 1 and 2 Science – Materials and their properties





Important Vocabulary		Material	Properties	Uses	Key Skills
<b>Material</b>	<i>What an object is made from</i>	wood 	Hard Strong Opaque	table 	<ul style="list-style-type: none"> <li>To identify materials</li> <li>To sort materials by their properties</li> <li>To observe changes in materials</li> <li>To change materials by twisting, squashing, bending and stretching.</li> </ul>
<b>Opaque</b>	<i>Not see through at all</i>	plastic 	Waterproof Translucent Bendy	water bottle 	
<b>Property</b>	<i>A characteristic of</i>	glass 	Transparent Waterproof Hard	window 	
<b>Waterproof</b>	<i>Water cannot soak through</i>	metal 	Shiny Smooth Reflective	fork 	
<b>Transparent</b>	<i>Completely see through</i>	fabric 	Soft Flexible Absorbent	clothes 	
<b>Reflective</b>	<i>Shiny, light bounces off it</i>	rock 	Strong Hard Rigid	fireplace 	
<b>Flexible</b>	<i>Bends easily without breaking</i>				
<b>Absorbent</b>	<i>Soaks up water</i>				
<b>Rigid</b>	<i>Hard and strong, cannot bend</i>				
<b>Translucent</b>	<i>Lets some light through but not completely see through</i>				

## How can materials change?

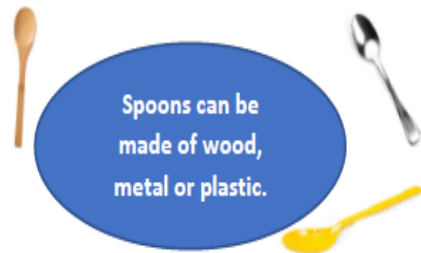
**squashing**  
 Clay can easily be pushed and pulled.

**bending**  
 Foil is bendy and waterproof.

**twisting**  
 This plastic bottle's shape can be changed.

**stretching**  
 A balloon is very flexible.

Some objects are made from different materials.



## Key Knowledge/Facts

- Objects are made from materials. E.g. metal, wood, rock
- Properties means things we can see or feel and tells us about the material
- Materials are used to make objects because of their properties
- Some materials can change
- Materials are natural or man made
- Some objects are made from more than one material

What I should already know:

Names of different materials

This learning will help me in the future when I learn:

Module on 'States of Matter in Year 3/4