

What? (Key Knowledge)	
Materials	
What does material mean?	All objects have a name like 'a door'. Material is the 'stuff' an object is made from.
Everyday materials you need to know	<ul style="list-style-type: none"> <li>• Wood</li> <li>• Plastic</li> <li>• Glass</li> <li>• Metal</li> <li>• Water</li> <li>• Rock</li> </ul>
Names of some common properties of materials	
Hard	Not easily broken
Soft	Easy to cut, fold or change shape
Stretchy	Can be made longer or wider without breaking
Stiff	Doesn't change shape easily
Shiny	Reflects light easily
Dull	Not very bright or shiny
Rough	Has an uneven surface
Smooth	An even surface with no lumps or bumps
Bendy	Can be bent easily
Waterproof	Keeps out water
Absorbent	Soaks up liquid easily
Transparent	Easy to see through
Opaque	Not able to see through
Some common materials and their properties	
Wood	Hard, strong, stiff
Plastic	Strong, shiny, bendy
Glass	Transparent, smooth, stiff
Metal	Hard, strong, shiny
Water	Runny, wet, clear
Rock	Hard, strong
Comparing and Grouping Materials	
You can put materials into different groups by answering these questions about the material.	<ul style="list-style-type: none"> <li>• Hard or Soft?</li> <li>• Stretchy or Stiff?</li> <li>• Shiny or Dull?</li> <li>• Rough or Smooth?</li> <li>• Bendy or Not Bendy?</li> <li>• Waterproof or Not waterproof?</li> <li>• Absorbent or Not Absorbent?</li> <li>• Transparent or Opaque?</li> </ul>

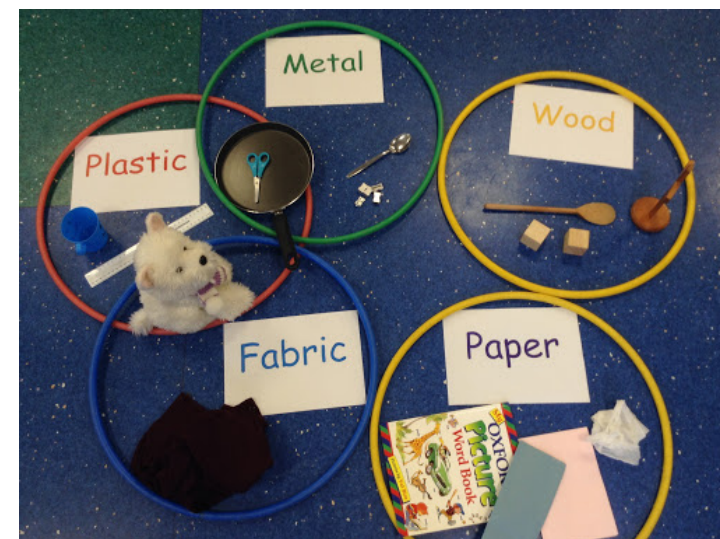
What? (Key Vocabulary)	
Spelling	Definition/Sentence
<b>object</b>	a material thing that can be seen and touched
<b>material</b>	the matter from which a thing is or can be made
<b>stretchy</b>	to be capable of being made longer or wider without tearing or breaking
<b>stiff</b>	not easily bent or changed in shape
<b>waterproof</b>	a garment or material that keeps out water
<b>absorbent</b>	able to soak up liquid easily
<b>see-through</b>	a material that you can see-through like a window

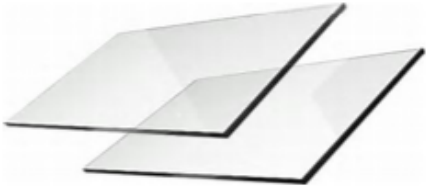
**Take it further at home...**

- Find out the best materials to make an umbrella, a bookshelf...
- Use 'feely bags' to describe the properties through touch alone.
- Can you find an example of rough plastic, smooth plastic, transparent plastic, opaque plastic.
- Fill in the vocabulary chart – try and do this from memory with them!

## Diagram and symbols

	
Wood	Plastic
	
Glass	Metal
	
Water	Rock





### What? (Key Vocabulary)

**Spelling**

**Definition/Sentence**

a material thing that can be seen and touched

**material**

to be capable of being made longer or wider without tearing or breaking

**stiff**

a garment or material that keeps out water

**absorbent**

a material that you can see-through like a window

