

# Everyday Materials Vocabulary and Knowledge Mat

KS1

## What does material mean?

All objects have a name like 'a door'.

Material is the 'stuff' an object is made from.


## Words that I need to know

materials	natural
properties	man-made
suitability	object
matter	substance
force	liquid
friction	solid

## Properties of materials

Properties of Materials


### Transparent



You can see through transparent materials as they let light through.

Properties of Materials


### Rigid



Rigid materials are stiff and difficult to bend.

Properties of Materials


### Opaque



You cannot see through opaque materials as they do not let any light through.

Properties of Materials


### Translucent



You can see through translucent materials as they let some light through.

Properties of Materials


### Absorbent



Absorbent materials soak up water and water passes through them.





Properties of Materials

### Waterproof



Waterproof materials do not let any water through nor do they soak up any water.

## Changing Materials

 <p>Twist an object by turning your hands in opposite directions.</p>	 <p>Stretch an object by pulling your hands slowly and gently apart.</p>	 <p>Squash an object by pushing both hands together.</p>	 <p>Bend an object by grabbing both ends of the object and bringing the ends inwards together.</p>
<b>twisting</b>	<b>stretching</b>	<b>squashing</b>	<b>bending</b>

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## Different materials and their properties

### WOOD

- is **strong** and **hard**
- can be **cut** and **carved**
- lasts a long time (**durable**)

is perfect for...



### METAL

- is **strong**, **hard** and **shiny**
- can be **melted** and **shaped**
- lasts a long time

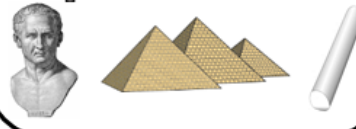
is perfect for...



### ROCK

- can be either **hard** or **soft**
- can be **cut** and **carved**
- some last a long time

is perfect for...



### GLASS

- can be **melted** and **shaped**
- is **hard**, **strong** and **durable**
- is **waterproof** and **transparent**

is perfect for...



### PLASTIC

- is **strong** and **waterproof**
- can be **melted** and **shaped**
- can be **recycled**

is perfect for...



### PAPER

- **thick** paper is called **cardboard**
- can be **folded** and **shaped**
- can be **recycled**

is perfect for...



### BRICK

- is created by extreme **heat**
- is **hard**, **strong** and **durable**
- can make a **strong structure**

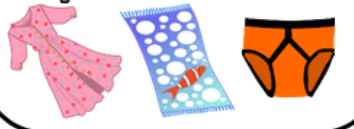
is perfect for...



### FABRIC

- can be **natural** or **man-made**
- is **soft**, **flexible** and **absorbent**
- can be **stretched** and **twisted**

is perfect for...



### Choosing the correct material



A spoon could be made from **metal**, **plastic** or **wood**, but **NOT** brick or fabric!

## What can we recycle?



## Recycling can save our planet

