

# The Knowledge - The things I need to know and remember



## Key Knowledge



## We are word collectors

These videos will help you to learn about different materials and their properties

<https://www.youtube.com/watch?v=XnkQcP-RHCw>



[https://www.youtube.com/watch?v=IK6C-XjD\\_dQ](https://www.youtube.com/watch?v=IK6C-XjD_dQ)



<https://www.youtube.com/watch?v=xOKr462HLc0>



<https://www.youtube.com/watch?v=JCKSMsbpn1Y>



<https://www.youtube.com/watch?v=AhrZ7bTwQ54>



Make sure you know the types of materials. We will also be learning the difference between and **object** and the **material** it's made from.

### Plastic



Plastic can be hard or soft.

It can be bendy or rigid.

Some plastic is transparent.

Plastic is light and strong.

### Rock and stone



Rock is hard and rigid.

It is opaque and does not stretch.

### Wood



Wood is hard and rigid.

It is opaque and it does not stretch.

1. Make sure you can identify the materials that different objects around you are made of, so you can sort them into groups.

### Paper and cardboard



Paper and cardboard are opaque.

They are quite bendy.

### Metal



Metal is hard and opaque.

It is usually shiny.

It can be bendy but it does not stretch.

### Fabric



Fabric is soft and bendy.

It is opaque and it can be stretchy.

### Glass



Glass is hard and rigid.

It is usually transparent.

It is smooth but it does not stretch.

Science

**Here are some words we will use to describe the properties of different materials:**

hard/soft, bendy/stiff, shiny/dull, rough/smooth, opaque/transparent, stretchy

2. Make sure you understand what the properties of materials are, so you can describe them.