



# Science – Year 2 Summer 1 Materials

(Previous knowledge – sorting and classifying)

## Vocabulary

Tier 1	Tier 2	Tier 3
material	properties	absorbent
hard	waterproof	opaque
soft	sort	transparent
stretchy	man made	suitable
smooth	natural	classify



don't know



I know this word



I can use it in a sentence

## Useful Resources

<https://www.fireoflondon.org.uk/>

<https://www.bbc.co.uk/bitesize/topics/zrsgk7>

## Properties

A property is a quality that a material has. Properties include:

- absorbent
- not absorbent
- opaque
- transparent
- bendy
- not bendy
- rough
- smooth
- hard
- soft
- stretchy
- not stretchy
- strong
- not strong
- waterproof
- not waterproof

Materials can have several properties. For example, wood is hard, strong, opaque and absorbent.

## Properties and their uses

Objects are made from materials with suitable properties.



absorbent sponge



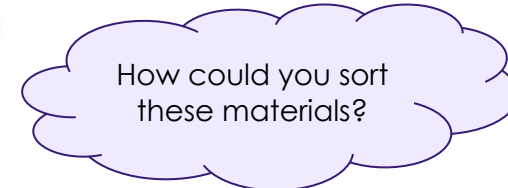
soft fabric



stretchy rubber band



transparent vase



baked clay



fabric



glass



metal



paper



plastic



rock



wood

**Materials**  
Materials are what things are made from. There are many everyday materials.

### Asking questions

Asking questions that can be answered using a scientific enquiry.



### Making predictions

Using prior knowledge to suggest what will happen in an enquiry.



### Setting up tests

Deciding on the method and equipment to use to carry out an enquiry.



### Observing and measuring

Using senses and measuring equipment to make observations about the enquiry.



### Recording data

Using tables, drawings and other means to note observations and measurements.



### Interpreting and communicating results

Using information from the data to say what you found out.



### Evaluating

Reflecting on the success of the enquiry approach and identifying further questions for enquiry.

