

# Welton Primary School—Science Knowledge Organiser



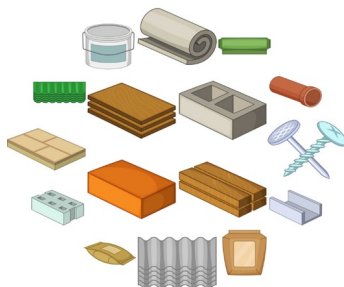
Year: 1

Everyday Materials

Chemistry

## What should I already know?

- I know about similarities and differences in objects and materials.
- I can talk about things in my own environment and know how these might be different from one another.



Materials are the substances that things are made from.

We use lots of different materials every day, e.g. metal, plastic, wood and glass.

Different materials have different physical properties which make them useful for different things. A property is a quality that describes what something is like or how it behaves.

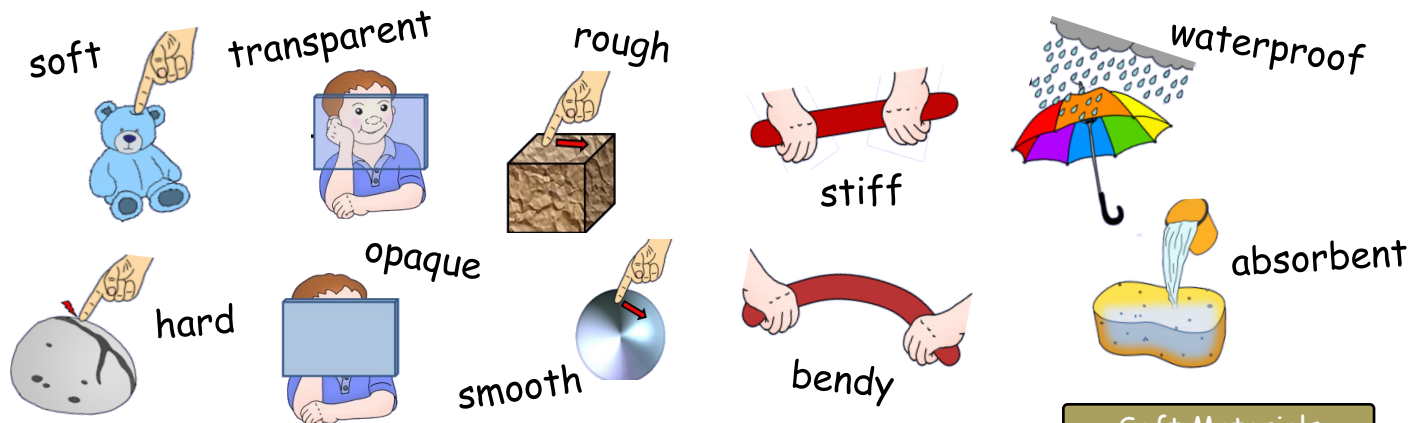
Some materials are used to make many things.

## Vocabulary

|                 |                              |
|-----------------|------------------------------|
| hard            | Not easily broken.           |
| soft            | Easy to cut or change shape. |
| smooth          | Even surface with no bumps.  |
| shiny           | Reflects light easily.       |
| stretchy        | Can be made longer or wider  |
| stiff           | Doesn't change shape easily  |
| bendy           | Can be bent easily.          |
| floppy          | Soft and bendy.              |
| waterproof      | Keeps water out.             |
| absorbent       | Soaks up liquid easily.      |
| breaks          | Is made into smaller pieces. |
| rough           | Has an uneven surface.       |
| dull            | Not very bright or shiny.    |
| see-through     | Lets light through.          |
| not see-through | Doesn't let light through.   |
| transparent     | Easy to see through.         |
| opaque          | Not able to see through it.  |

## Properties of Materials

| Metal   | Glass  | Wood  | Plastic  | Fabric  | Paper   |
|---|--|---|--|---|---|
|   |  |   |  |   |   |
| <ul style="list-style-type: none"> <li>• hard</li> <li>• strong</li> <li>• shiny</li> </ul> | <ul style="list-style-type: none"> <li>• transparent</li> <li>• smooth</li> <li>• stiff</li> </ul> | <ul style="list-style-type: none"> <li>• hard</li> <li>• strong</li> <li>• stiff</li> </ul> | <ul style="list-style-type: none"> <li>• strong</li> <li>• shiny</li> <li>• bendy</li> </ul> | <ul style="list-style-type: none"> <li>• soft</li> <li>• bendy</li> <li>• opaque</li> </ul> | <ul style="list-style-type: none"> <li>• absorbent</li> <li>• dull</li> <li>• smooth</li> </ul> |



## Hard Materials

## Soft Materials

Diamond    Metal    Concrete    Wood    Glass    Plastic    Rubber    Paper    Cotton    Fabric    Wool