

Monks Risborough CE Primary - Science Knowledge Organiser



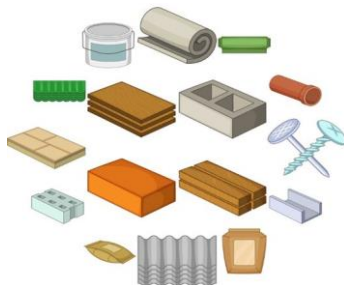
Year: 2

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.

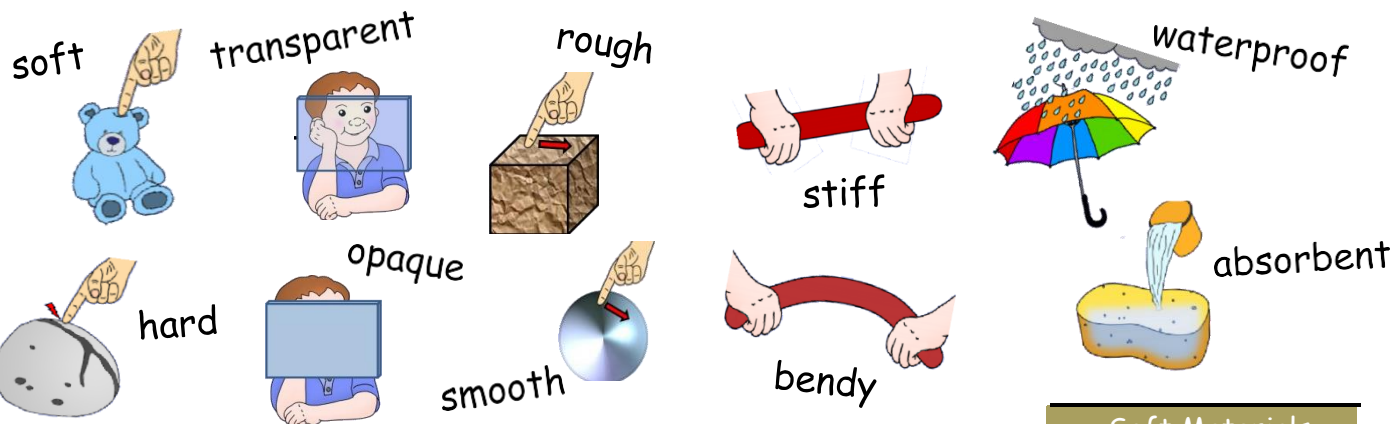
Some materials are used to make many things.

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
- hard - strong - shiny	- transparent - smooth - stiff	- hard - strong - stiff	- strong - shiny - bendy	- soft - bendy - opaque	- absorbent - dull - smooth



Hard Materials

Soft Materials

Diamond Metal Concrete Wood Glass Plastic Rubber Paper Cotton Fabric Wool

Sticky Knowledge - Year 2 - Spring 2 - Materials

- Transparent - allows light to pass clearly through with no obstruction
 - Glass is transparent.
- Bricks are a good material to build houses.
 - Plastic is durable and long lasting
 - School chairs are often made of plastic.
- Paper and cardboard are a material made from trees.
 - Paper is used to make newspapers and books.
 - A solid object is a fixed shape.
- Some materials can change shape by squashing, bending, twisting and stretching.

Sticky Knowledge - Year 2 - Spring 2 - Materials

Match each object to the material it is made from.     plastic metal glass wood	Use the words to label the actions. squash bend twist stretch     Tell me some more information about these pictures.
Circle the object that can be stretched.     Choose words to complete the sentences. wood paper cardboard Wood is stronger than _____ _____ is more flexible than cardboard.	Choose a word to label each material. glass rock metal brick   Give an example of something you can make from bricks. Glass is transparent, true or false? Tell me about something in science you have enjoyed this term.