

Year 1 Autumn Term Science Knowledge Organiser

KEY QUESTION: What are materials ?

Materials:



plastic



wood



metal



water



glass



stone



paper



brick



fabric

Materials Vocabulary

material	stone	soft	not bendy
paper	fabric	stretchy	waterproof
wood	elastic	stiff	not waterproof
glass	foil	shiny	absorbent
metal	rubber	dull	not absorbent
plastic	brick	rough	opaque
rock	water	smooth	transparent
glass	hard	bendy	object

object	A thing that can be used. For example a door, chair, car, table are all objects .
material	Materials are what an object is made from.
hard	Not easily broken or bent.
soft	If something is soft , it is easy to cut, fold or change the shape of.
stretchy	Can be pulled to make it longer or wider without breaking.
shiny	Reflects light easily.
dull	Doesn't reflect light. Doesn't look bright or shiny .
rough	If something is rough , it feels and looks uneven or bumpy.

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plastic toys



wooden furniture



metal tools



drinking water



glass window

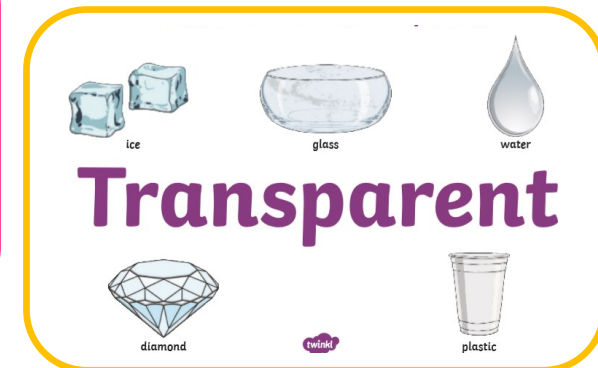


stepping stones

Here are some everyday **objects** you might find at home and the **material** they are made from.

Materials and their properties

smooth	Smooth objects have no lumps or bumps.
bendy (flexible)	Bendy things can be folded easily.
not bendy (not flexible)	If something is not bendy , it can't be folded easily.
waterproof	If something is waterproof , it keeps water out. It keeps things dry.
not waterproof	Not waterproof materials let water in.
absorbent	If something is absorbent , it soaks water up.
not absorbent	If something is not absorbent , it does not soak up water.
transparent	Transparent objects can be seen through.
opaque	Opaque objects can't be seen through.



Activities to complete at home

1. What different materials can you find in your house, or outside ?
2. Make a model out of lots of different materials — how many did you use ? What object did you make ?
3. Visit the library and look for some books about different materials . Find out some interesting facts about materials.
4. Find out some information about recycling — use the internet or ask an adult.
5. Make a poster about why recycling is important.