

What should I already know?

- Objects are things that you can touch or see.
- Objects are made from materials.
- Some materials that objects are made from (e.g. **glass, wood, plastic**)
- Some words to describe materials (e.g. **shiny, soft, rough absorbent**)
- Materials which are **natural** and which are **man-made**.

What will I know by the end of the unit?

What are materials used for?

- Materials are used for different **purposes** based on their **properties**.
- **Wood** is used to make furniture and floors.
- **Metal** can be used to make coins, cans, cars and cutlery.
- **Glass** can be used to make windows.



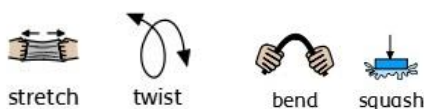
Which properties make materials suitable for a particular use?

- **Glass** is **transparent**, which makes it good for windows.
- **Wood, plastic** or **rubber** can be used for rulers as they are all **smooth** and **can be cut straight**.
- Cutlery is made from **metal** or **plastic**, because they are **waterproof** materials and can be cleaned easily.



How can you change the shape of materials?

The shape of some materials can be changed when they are **stretched, twisted, bent** and **squashed**.



Vocabulary

fabrics	cloth or other material produced by weaving together cotton, wool or other threads.
foil	sheets of metal as thin as paper
glass	a hard transparent material
man-made	things are created by people
metal	a hard substance such as iron, steel, gold, or lead
natural	things that exist in nature and are not made by people
opaque	if an object or substance is opaque, you cannot see through it
plastic	a material which is light in weight and does not break easily
process	a series of actions used to produce something or reach a goal.
properties	the qualities or features that belong to something and make it recognisable
purpose	the reason for which it is made or done
recyclable	waste or materials which can be processed and used again
rock	the hard substance which the Earth is made of
squash	pressed or crushed with such force that something loses its shape
suitable	something that is suitable for a particular purpose or occasion is right or acceptable for it
transparent	If an object is transparent, you can see through it
twist	turn something to make a spiral shape
unsuitable	Someone or something that is unsuitable for a particular purpose or situation does not have the right properties for it

Data Handling



Tally chart and simple pictograms.