

Marvellous Materials

Everyday materials

Materials are what objects are made from. Examples of materials include glass, wood, fabric, plastic, stone and metal.

Materials are all around us, such as in the home, garden, school and park. They are important because we use materials to make the objects we use every day.



This vase is made from glass.



This table is made from wood.



This T-shirt is made from fabric.



This toy is made from plastic.



This statue is made from stone.



This cutlery is made from metal.

Properties of materials

A property is a quality that a material has. Materials can be described by their properties, such as hard, soft, stretchy, bendy, transparent and waterproof. Materials have different properties, which make them suitable for making different objects.



A paper kitchen towel is soft and absorbent.



A plastic toy is hard and smooth.



Rubber wellies are waterproof and bendy.



A ceramic mug is hard and waterproof.



A metal pan is smooth and shiny.



A cotton T-shirt is soft and stretchy.



A glass window is hard and transparent.

The same material can have different properties. For example, some plastics are hard, and others are bendy.

A safety helmet is made from a plastic that is hard.

Cling film is made from a plastic that is bendy.



Comparing and grouping materials

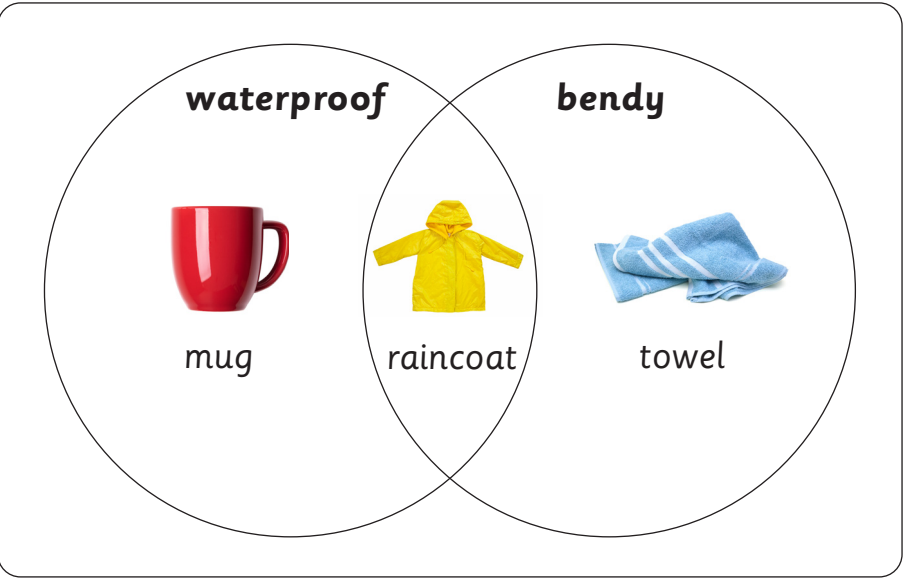
Objects and materials can be compared and put into groups according to their similarities, differences or properties.

These objects have been put into a group. They are all similar because they are made from fabric and are soft and bendy.



Venn diagrams

A Venn diagram is a way of grouping information or objects using overlapping circles. It can be used to group objects according to their properties to find their similarities and differences.



This Venn diagram shows that the ceramic mug is waterproof but not bendy. The fabric towel is bendy but not waterproof. The plastic raincoat is waterproof and bendy.