

# Everyday materials!

## What are materials?



This vase is made from glass.



This table is made from wood.



This toy is made from plastic.



This T-shirt is made from fabric.



This cutlery is made from metal.



- A material is what an object is made from.
- There are natural materials and human made materials.

## Natural and human made materials.



wood



paper



glass

- Natural materials come from the world around us, such as the ground, plants and animals. Examples include:
- Human-made materials are new materials people make from natural materials. Some examples are: glass, paper, plastic, brick, metal alloys, synthetic fabric, ceramic and concrete.

## What are properties of materials?



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 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.

## How can we group and compare materials?



We can use a Venn diagram to group information or objects using overlapping circles. It can be used to group objects according to their properties to find their similarities and differences.