



Key Ideas & Vocabulary

All objects are made of one or more materials. Some objects can be made from different materials. Materials can be described by their properties. Some materials can be in different forms with very different properties.

absorbent



Able to soak up liquid easily.

material



What something is made of: wood, metal, plastic, glass, water, rock, rubber.

object



Something that can be seen and touched.

property



What a material is like: stretchy, stiff, hard, soft or see-through.

waterproof

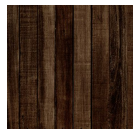


Keeps water out.

Knowledge I already have

- In Nursery and Reception, I learnt what is the same and different between objects in the world around me. I learnt the names of some of the materials that objects are made of such as wood and plastic.

wood



plastic



New Knowledge

By the end of this unit:

- I will know the difference between an object and the material it is made of. "It is a table. It is made of wood."
- I will recognise and name a range of everyday materials including: wood, plastic, glass, metal, water, rock, rubber.
- I will be able to name the material of an object.
- I will be able to describe the properties of a range of everyday materials. I will be able to say whether they are hard, soft, stretchy, stiff, bendy, rigid, waterproof, absorbent, see-through, not see-through.
- I will be able to say what is the same and what is different (make comparisons) between everyday materials.
- I will be able to group everyday materials based on their properties such as materials which are stretchy or stiff.

Future Knowledge

- In year 2, I will identify and compare the suitability of different everyday materials, such as wood, metal, plastic, glass, brick, rock, paper and cardboard for a particular purpose like a superhero's suit.
- In year 2, I will find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Scientific Enquiry

- Identifying and classifying:
I will observe closely to identify, compare and classify.
I will sort different objects by the same material.
I will sort the same object by material.
- Comparative tests:
I will ask simple scientific questions and find answers through carrying out tests of the properties of objects.
I will find the most absorbent cloth by testing a range of cloths made from different materials.