

## Key Learning

- I can identify uses of different everyday materials.
- I can identify and group the uses of everyday materials
- I can record my observations.
- I can compare the suitability of different everyday materials.
- I can explain how the shapes of objects made from some materials can be changed.
- I can explain the process of recycling.
- I can explain what plastic ( a made material) is

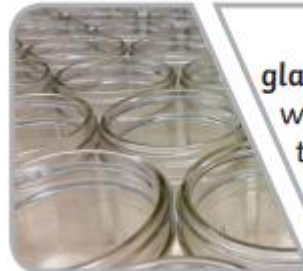
## Year 2/3 Science: Uses of everyday materials.

### Uses of everyday materials.

#### Properties of Materials



**wood:**  
hard, stiff,  
strong, opaque,  
can be carved  
into any  
shape.



**glass:**  
waterproof,  
transparent,  
hard, smooth.



**plastic:**  
waterproof,  
strong, can  
be made to be  
flexible or stiff,  
smooth or rough.



**metal:**  
strong, hard,  
easy to wash.

### Key Scientific Vocabulary

Materials

Materials are what objects are made from  
Suitability means having the properties which are right for a particular purpose

Suitability

Properties

This is what a material is like and how it behaves e.g. stretchy, waterproof, soft



**paper:**  
lightweight,  
flexible.



**cardboard:**  
strong, light,  
stiff.



**fabric:**  
soft, flexible,  
hard-wearing,  
can be stretchy,  
warm, absorbent.



**rubber:**  
hard-wearing,  
elastic, flexible,  
strong.

## Enquiry type

- Identifying, grouping & classifying
- Observing over time
- Comparative testing

## Common Misconceptions

- \*only fabrics are materials
- only building materials are materials
- only writing materials are materials
- the word rock describes an object rather than a material
- solid is another word for hard.

Fair Test

An investigation where one variable is changed and all others are kept the same.

Reduce

Make smaller or less in amount

Reuse

Use again or more than once

Recycle

Convert into a reusable material

materials – wood, metal, plastic, glass, brick, rock, paper, cardboard

opaque, transparent and translucent, reflective, non-reflective, flexible, rigid

push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching