

Year 2 Science Knowledge Organiser Term 4 2024

We will be learning about different materials and their properties, including sorting objects according to what they are made from. We will consider why materials are suitable for specific purposes.

materials	Materials are what objects are made from.
suitability	Suitability means having the properties which are right for a specific purpose.
properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).

Same Material, Different Uses



Vocabulary

Engineer
 Everyday
 Locate
 Materials
 Object
 Original
 Process
 Recycling
 Suitability

Properties of Materials



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



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



paper:
 lightweight,
 flexible.



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



glass:
 waterproof,
 transparent,
 hard, smooth.



metal:
 strong, hard,
 easy to wash.



cardboard:
 strong, light,
 stiff.



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



We will explore the process of recycling and look at engineers who have developed new materials.

We will be looking at how different materials feel and whether they can be changed into different shapes.

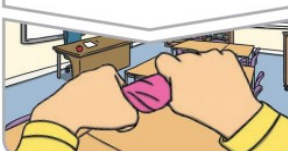
Squash an object by pushing both hands together.



Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by turning your hands in opposite directions.



Stretch an object by pulling your hands slowly and gently apart.

