



Knowledge Organiser

Science

Year 1

Topic: Everyday Materials

Prior Knowledge

Talk about the differences between materials and changes they notice
 Recognise objects can be made from the same or different materials
 Begin to recognise why certain materials are used for certain objects
 Describe what they see, hear and feel whilst outside

What will I know by the end of this topic?



I will know the properties of everyday objects.
 I can use specific vocabulary to describe a variety of materials.
 I can compare and group materials based on their properties.
 Certain materials are used for different reasons.
 An object can be made of different materials used together

Application of Knowledge

- Distinguish between an object and the material from which it is made.
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- Describe the simple physical properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.



Key Vocabulary

material	Materials are what an object is made from.
hard	Not easily broken or bent.
soft	If something is soft , it is easy to cut, fold or change the shape of.
stretchy	Can be pulled to make it longer or wider without breaking.
shiny	Reflects light easily.
dull	Doesn't reflect light. Doesn't look bright or shiny .
rough	If something is rough , it feels and looks uneven or bumpy.
smooth	Smooth objects have no lumps or bumps.
bendy	Bendy things can be bent easily into a curved or folded shape.
not bendy	If something is not bendy , it can't be bent easily into a curved or folded shape.
waterproof	If something is waterproof , it keeps water out. It keeps things dry.
not waterproof	Not waterproof materials let water in.
absorbent	If something is absorbent , it soaks water up.
not absorbent	not absorbent , it does not soak up water.
transparent	Transparent objects can be seen through.
opaque	Opaque objects can't be seen through

Materials We Use in Daily Life

Paper	Wood
Plastic	Glass
Metal	Fabric

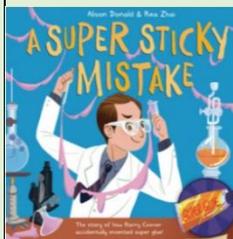
Famous Scientist

Books/ Websites



George de Mestral – inventor of velcro

<https://www.invent.org/inductees/george-de-mestral>



A Super Sticky Mistake – Alison Donald & Rea Zhai

Bitesize -

<https://www.bbc.co.uk/bitesize/topics/zrssgk7/articles/zvpysk7>