



Bishop Bronescombe C of E Primary School



Topic: Materials

Year 1/2

Strand: Science

Working scientifically skills

- observing closely, using simple equipment
- performing simple tests
- identifying and classifying
- using their observations and ideas to suggest answers to questions
- gathering and recording data to help in answering questions.

What we already know.

- Year 2 children were taught materials topic during lockdown and home learning during 2021.

Year 1 focus

To identify the names of materials and their properties.

Year 2 focus

To identify and compare the suitability of materials.

Key learning

- To distinguish between an object and the material from which it is made.
- To identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. To describe the simple physical properties of a variety of everyday materials
- To compare and group together a variety of everyday materials on the basis of their simple physical properties
- To identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- To find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching

Key vocabulary

object	A thing that can be used, e.g. table, chair.
material	Materials are what an object is made from.
Properties	This is what a material is like and how it behaves, e.g. stretchy
hard/soft	Hard— not easily broken. Soft— easy to cut, fold or change the shape of.
shiny/dull	Shiny— reflects light easily. Dull— does not reflect light easily.
stretchy	Can be pulled to make it longer without breaking.
rough/smooth	Rough— bumpy and uneven. Smooth— not bumpy.
bendy/rigid	Bendy— can be folded easily. Rigid— hard to fold.
waterproof	Keeps water out and keeps things dry.
Transparent/opaque	Transparent— can see through the object. Opaque— cannot see through the object.



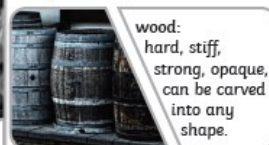
plastic



wood



metal



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



glass:
waterproof,
transparent,
hard, smooth.



water



glass



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



metal:
strong, hard,
easy to wash.



paper



brick



fabric



paper:
lightweight,
flexible.



cardboard:
strong, light,
stiff.



stone



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



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