

Science: Materials

Year 1 Autumn 1

Key Vocabulary

object	A material thing that can be seen and touched.
material	The matter from which a thing is or can be made.
stretchy	(Especially of material or a garment) able to stretch or be stretched easily.
stiff	Not easily bent or changed in shape; rigid.
bendy	Capable of bending; soft and flexible.
floppy	Tending to flop or hang loosely.
waterproof	Impervious to water, does not let water through.
rough	Having an uneven or irregular surface; not smooth or level.
smooth	Having an even and regular surface; free from perceptible projections, lumps, or indentations.
shiny	(Of a smooth surface) reflecting light, typically because very clean or polished.

Why don't you...

Look around your house and make a list of all the different materials you can find?

Design a boat and label all the materials you would need to make that boat?

Create a tally chart showing the materials you find outside?

Website Links

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

Scientific Concepts

Comparison

To compare two or more things, including their similarities and differences.

Enquiry Questions

- Which material is the most popular?
- How many materials are used in your house?
- Which material would you rather make a boat from?
- How many materials would be suitable to make a suit for a prince?
- Do all materials have the same properties?

Scientific 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.

Scientific Skills

- Asking simple questions and recognising that they can be answered in different ways.
- 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.