

What do I already know?

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. (Y1 - Everyday materials).
















Science : YEAR TWO, AUTUMN 2

BIG IDEA: Which material and why?

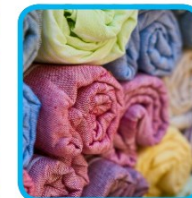
KEY VOCABULARY

Materials	Materials are what objects are made from.
Suitability	Suitability means having the properties which are right for a specific purpose.
Compare	Looking at the differences and similarities.
Properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).
Transparent	You are able to see through the object.
Waterproof	The object does not let water seep through.
Absorbent	A material that is able to soak up liquid easily.
Solid	Holds its shape, firm and stable; not a liquid.

Key properties and their definitions

hard not easily broken or pierced  A hard diamond.	squashy easily crushed or squeezed  The play dough is squashy.	smooth an even and regular surface  Some smooth pebbles.	rigid unable to be bent or forced out of shape  Stone is rigid.	transparent can be seen through  This glass is transparent.
absorbent able to soak up liquid  The sponge is absorbent.	bumpy uneven, raised patches  This shell is bumpy.	opaque cannot be seen through  She is hidden by the opaque screen.	flexible able to bend  A flexible spring.	rough uneven, irregular surface  The log has rough bark.
dull lacking shine or brightness  The moth's wings are dull.	brittle hard, but may break easily  The glass is brittle.	translucent allowing some light to pass through  The screen is translucent.	elastic springs back once stretched  An elastic band.	shiny reflects light, smooth surface  A shiny silver spoon.

Different materials



Rubber

Brick

Wood

Plastic

Fabric

Leather

Stone

Sponge

Glass

Metal