



'Be the best that you can be!'

Year 1 Science - Materials

Topic Intent	As a scientist I will be able to:
Pupils will continue their learning from the previous topic of materials. They will describe and compare the different materials and say why they are suitable for different jobs.	<ul style="list-style-type: none"> 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.

Key Vocabulary

object	A thing that can be used. For example a door, chair, car, table are all objects .
material	Materials are what an object is made from.
waterproof	If something is waterproof , it keeps water out. It keeps things dry.
not waterproof	Not waterproof materials let water in.
strong	If something is strong , it is able to withstand force, pressure, or wear.
durable	If something is durable , it is able to withstand wear, pressure, or damage
sustainability	Sustainability means having the right properties which are right for a specific purpose.

	wood: hard, stiff, strong, opaque, can be carved into any shape.		glass: waterproof, transparent, hard, smooth.
	plastic: waterproof, strong, can be made to be flexible or stiff, smooth or rough.		metal: strong, hard, easy to wash.
	paper: lightweight, flexible.		cardboard: strong, light, stiff.
	fabric: soft, flexible, hard-wearing, can be stretchy, warm, absorbent.		rubber: hard-wearing, elastic, flexible, strong.

Homework Links and Ideas

<https://www.bbc.co.uk/teach/class-clips-video/design-and-technology-ks2-making-structures-waterproof/zmxhnr4>

What materials would be suitable to make an umbrella? Can you make an umbrella for one of your teddies and test it!

Did it work? Why? Why not?

Send pictures on Dojo!

The Dragon slayer needs a new suit of armour. Can you design him one. What materials would be suitable for a dragon slayer?