


Year 1/2 Which material is the best?

Super Scientist Investigates:
Which material is best for which purpose?

Materials and their uses

Material	Properties	Uses
wood 	opaque hard strong	table 
metal 	shiny smooth reflective	fork 
plastic 	waterproof bendy translucent	water bottle 
glass 	transparent waterproof hard	window 
brick 	hard rough dull	wall 
rock 	strong hard rigid	fireplace 
paper 	tears easily translucent flexible	book 
cardboard 	dull non-reflective opaque	boxes 
fabric 	flexible Soft absorbent	clothes 

Key Question: Can you think of materials that are waterproof?

Key Learning: A material that is waterproof does not let water in. Materials like plastic, rubber and wax are waterproof.



This towel is absorbant. It soaks up water well.



This paper plate is good for a party because it is stiff.

FACTOID

An object can be made of more than one material.



Glass is a good materials for windows because it is transparent. You can see through it.

Vocabulary

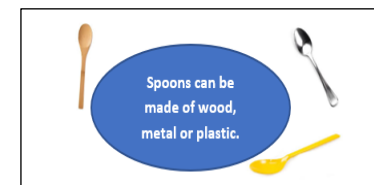
property	What a material is like or how it behaves.
absorbtion	The process of drawing in or soaking up.
transparent	An object that is transparent can be seen through.
opaque	A material that you can not see through.
flexible	A material that can bend or move easily without breaking
waterproof	A material that does not let water in.
maluable	A material which can be shaped.

Names of materials – brick, glass, metal. wood, plastic, rubber.

Properties of materials – dull, shiny, stretchy, elastic, hard, rough, smooth, strong, not transparent, not waterproof.

FACTOID

The same object can be made out of different materials.



Key Question: Can you sort objects by the material they are made from?

Key Learning:

We can use our senses and what we know about a materials properties to help us to identify different materials.

Sorting and grouping materi

