

Year 2 Science Fact Pages



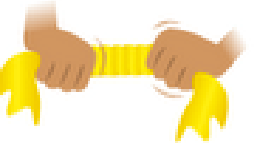

Uses of everyday materials and their properties.

Properties of Materials



Key Vocabulary

Materials	Materials are what objects are made from.
Suitability	Suitability means having the properties which are right for a specific purpose.
Properties	This is what a material is like and how it behaves e.g. soft, stretchy or waterproof.

Squash an object by pushing both hands together or down hard on object.	Bend an object by grabbing both ends of the object and bringing the ends inwards together.
	
Twist an object by turning your hands in opposite directions.	Stretch an object by pulling your hands slowly and gently apart.
	

Properties of different materials

Wood  Hard, stiff, strong, opaque, can be carved into shape.	Glass  Waterproof, transparent, hard and 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 and stiff
Fabric  Soft, flexible, hard wearing, can be stretchy, warm, absorbent	Rubber  Hard wearing, elastic, flexible, strong

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Significant People

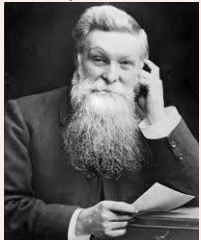
John McAdam



John McAdam was a Scottish engineer who experimented with using new materials to build roads, inventing a new process called 'Macadamisation'. The name tarmac means a road made like this using tar.



John Dunlop



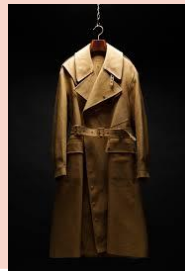
John Dunlop was a Scottish inventor who invented the air-filled rubber tyre. It was originally invented in 1887 to use with bicycles, and then became very useful when automobiles were developed.



Charles Macintosh



Charles Macintosh was a Scottish investor and chemist who invented waterproof fabrics in 1818. The Mackintosh raincoat was introduced in 1824.



Metal



Plastic



Leather



Glass

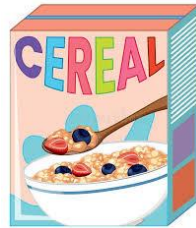
Materials from around the home



Rubber



Wood

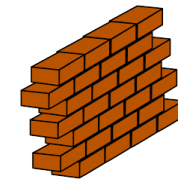


Cardboard



Paper

Brick



DID YOU KNOW?

Some materials can be used to make the same object.

Which material do you think is most suitable for a spoon?

Could you have glass spoon?

