



Key Vocabulary

Absorbent	Able to soak up liquid easily
Electrical conductor	Allows electricity to pass through
Electrical insulator	Does not allow electricity to pass through
Flexible	Bends easily without breaking
Opaque	Not clear. Blocks light so that none gets through
Property	A characteristic of a material that can be observed
Non-reflective	Does not reflect light
Reflective	Reflects light
Rigid	Unable to bend or be forced out of shape
Transparent	Clear, see-through, lets light pass through
Translucent	Almost see through, lets some light through
Waterproof	Does not let water pass through it

Scientific Diagrams

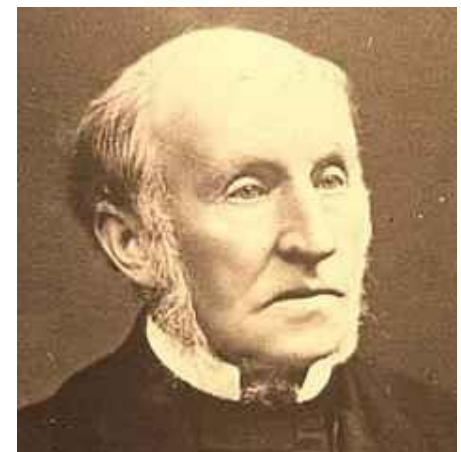
fabric 	flexible Soft absorbent	clothes
wood 	opaque hard strong	table
metal 	shiny smooth reflective	fork
plastic 	waterproof bendy translucent	water bottle
glass 	transparent waterproof hard	window
brick 	hard rough dull	wall
rock 	strong hard rigid	fireplace
paper 	tears easily translucent flexible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

Sticky Knowledge

- A manufactured material is made from natural materials using chemical processes.
- A natural material is a product that comes from plants, animals, or the ground.

Scientists Link

Alexander Parkes – inventor of plastic



Lesson 1

Can I identify materials around school?

Lesson 2

Can I make bread?

Lesson 3

Can I investigate fighting fires?

Lesson 4

Can I investigate burning materials?

Lesson 5

Can I investigate acids?

Lesson 6

Can I write a information text on Alexander Parkes?

Link to a text

Key Scientific skills

- planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- using test results to make predictions to set up further comparative and fair tests
- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations