9 Science

Uses of Everyday Materials

	Uses	of materials	
Wood can be used for:		doors, tables	
Plastic can be used for:		pens, rulers	
Glass can be used for:		windows, glasses	
Metal can be used for:		cars, coins	
Rock can be used for:		garden walls, old buildings	
Rubber can be used for:		tyres,	
Brick can be used for:		houses, walls	
Paper can be used for:		books, wrapping paper	
Card can be used for:		folders, birthday cards	
Fabric can be used for:		clothes, towels	
Diff	erent mate	rials for the same object	
Some objects can be made from various materials		For example, a fork can be made from: plastic, wood or metal.	
		Inventors	
John Dunlop	He was a	orn in 1840. n expert in rubber. ted the first inflatable tyre.	
Charles Macintosh	He was born in 1766. He Invented the first waterproof fabric. The 'mac' raincoat is named after him.		

Names of materials
wood, plastic,
glass, metal, water,
rock, rubber, brick,
paper, card, fabric

Key Vocabulary and Phrases		
Various	Lots of different kinds	
Inflatable	Can be filled with air	
Rubber	A tough material that can be shaped	
Fabric	Cloth produced by weaving or knitting	

Changing the shape of materials

squashing



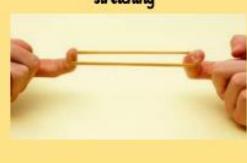
bending



twisting



stretching



Year 2

9 Science

Working Scientifically — Uses of Everyday Materials

	Key Vocabulary and Phrases	
ask questions	Use the question words What, where, when, why, how	
compare and contrast	Look at two or more objects and describe similarities (what is the same) and differences (what is different)	
classify, sort and group	Organise objects by their features and properties (e.g. colour, size, shape)	
diagram	A labelled picture	
observe	Look at and notice changes	
predict	To say what I think will happen	
record data	Drawings, scientific diagrams, photos, classification keys, tables, bar graphs and line graph, writing and numbers are ways to show what I have found out.	
reporting and presenting findings	Giving reasons, explaining causes and relationships, explaining results and trusting its accuracy	
variable	Something that you are able to change or adapt for example, temperature, position	

How I could record my findings

Pictures For EXPLORING Use this if you want to tell the story of what you did or what

you observed, e.g. bread

going mouldy

Tabl For FAIR TESTIF SEEKI	NG/PATTERN
What I Change	What I measure

Use this to record your information. You can transfer it into some of the other forms as well. It could be all numerical or words

Carroll Diagram For CLASSIFYING/GROUPING

Red	Blue
375/93	1
	Red

Use this when you want to put objects into categories for having a property or not, e.g., prime/not prime numbers against even/not even (odd) numbers

What I could investigate

Which material would be best for an umbrella?

Will the amount of water affect our results?



How properties of materials can be changed. Does wax affect absorbency?



Equipment I could use

Variety of materials



Measuring cylinders



Cups of water



Wax crayons

