






<b>Science Focus:</b>	Uses of everyday materials	<b>Year 2</b>	<b>Term: 1B</b>
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Properties of Materials	
Wood	Hard, strong, stiff
Plastic	Strong, shiny, bendy
Glass	Transparent, smooth, stiff
Metal	Hard, strong, shiny
Water	Runny, wet, clear
Rock	Hard, strong
Uses of common 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
Brick can be used for:	Houses, walls
Paper can be used for:	School books, wrapping paper
Card can be used for:	Folders, birthday card

Working as a Scientist
<ul style="list-style-type: none"> <li>Spot and group the materials you see on the way to school</li> <li>Find an object in your house that exists in three or more different material forms</li> <li>Find an object that is made from more than three materials</li> </ul>

All matter in the Universe is made of very small particles
Different materials are recognised by their properties, some of which are used to classify them .

Diagrams and Symbols
<p style="text-align: center;"><b>Squashing</b></p> 
<p style="text-align: center;"><b>Bending</b></p> 
<p style="text-align: center;"><b>Twisting</b></p> 
<p style="text-align: center;"><b>Stretching</b></p> 

Different materials for the same thing	
Some objects can be made from various materials	For example, a spoon can be made from: plastic, wood or metal

Changing the shape of material	
Squashing	Crush something so that it becomes flat, soft, or out of shape
Bending	Changing a straight object so that it is curved.
Twisting	Change the shape of an object by turning it.
Stretching	Made longer or wider without tearing or breaking

People we need to know	
John Dunlop	<ul style="list-style-type: none"> <li>Born in 1840</li> <li>An expert in rubber</li> <li>Invented the first inflatable tyre</li> </ul>
Charles Macintosh	<ul style="list-style-type: none"> <li>Born in 1766</li> <li>Invented the first waterproof fabric</li> <li>The 'mac' raincoat is named after him</li> </ul>
John McAdam	<ul style="list-style-type: none"> <li>Born in 1756</li> <li>He invented building roads with a smooth, hard surface.</li> </ul>

What? (Key Vocabulary)	
Spelling	Definition/Sentence
Various	Lots of different kinds
Rubber	A tough material that can be shaped
Inflatable	I Can be filled with air
Fabric	Cloth produced by weaving or knitting