Paganel Primary School –Knowledge Organiser

What? (Key Knowledge)		
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 cards	
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 materials		
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	Born in 1840 An expert in rubber Invented the first inflatable tyre	
Charles Macintosh	Born in 1766 Invented the first waterproof fabric The 'mac' raincoat is named after him	
John McAdam	 Born in 1756 He invented building roads with a smooth, hard surface. 	

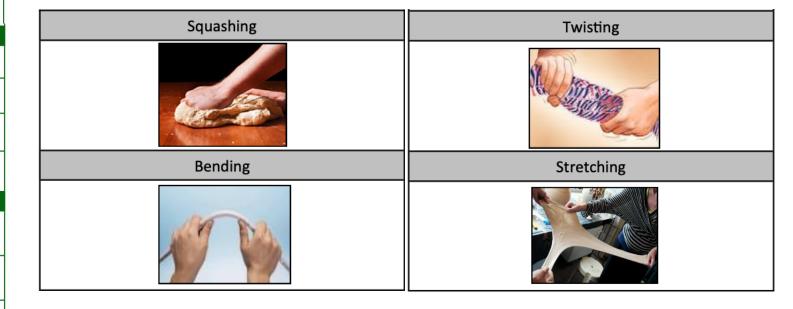
Year Group: 2 Topic: Everyday Materials

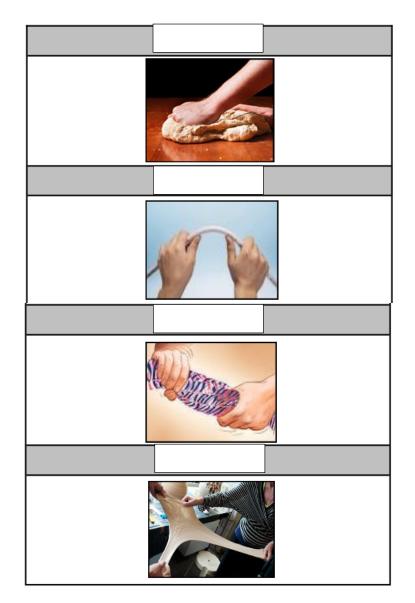
What? (Key Vocabulary)	
Spelling	Definition/Sentence
opaque	a material thing that you cannot see through
transparent	a material thing that you can see through
reflective	a material that throws back light or heat
translucent	you can partially see through this
flexible	capable of bending easily without breaking
rigid	unable to bend or be forced out of shape/not flexible
shape	the outline of someone or something

Take it further at home...

- Spot and group the materials you can find in your local area
- Find an object in your house that exists in 3 or more different materials e.g curtains
- Find an object that is made from 3 or more materials
- Fill in the vocabulary chart try and do this from memory with them!

Diagram and symbols





What? (Key Vocabulary)	
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transparent	
	a material that throws back light or heat
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	capable of bending easily without breaking
rigid	
	the outline of someone or something

