Science: William Martin & St James	

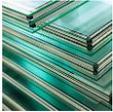| **Topic: Materials**	**Year 2**	**Strand: Chemistry**

What I should know by the end of this unit:
- Different materials can be used for different things depending on their suitability
- Some solid materials can change their shape by bending, twisting etc

Key Vocabulary

Spelling	definition
absorbent	Material that soaks up liquid easily
bend	A solid object that can change to a curve shape
material	Something an object is made from
properties	The qualities or features of something that make it identifiable
squash	Press or crush with force
stretch	Pull to make it longer
transparent	See through
twist	Move each end of the object in opposite directions
waterproof	Materials that doesn't let water soak in

	Some common materials, their properties and uses
wood	**Hard, strong, stiff** Can be used for doors, floors, tables, fences
plastic	**Strong, shiny, bendy** Can be used for bottles, pens, rulers, toys, phones, cups
glass	**Transparent, smooth, stiff** Can be used for windows, mirrors, glasses, windscreens
rock	**Hard, strong** Can be used for garden walls, old buildings
brick	**Hard, strong** Can be used for houses, walls

Changing the shape of materials

squashing	Crushing something sp that it becomes flat, soft or out of shape
Bending	Changing a straight object so that it is curved
Twisting	Changing the shape of an object by turning it
stretching	Made longer or wider without tearing or breaking

Some objects can be made from various materials	
Spoons can be made from plastic, metal or wood	
Gloves can be made from leather, wool or rubber	
A cup can be made from plastic, paper or glass	

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Topic: Materials	Year 2	Strand: Chemistry

The most suitable material for making a window is …?	Start of unit	End of unit
Brick		
Glass		
Metal		
Rock		

The reason for this is because:	Start of unit	End of unit

Why do some children drink out of plastic cups rather than glass cups?	Start of unit	End of unit

Stretching and twisting an object will …	Start of unit	End of unit
Change the shape of the object		
Keep the object the same		

Match the material to their most suitable use	Start of unit	End of unit
soft A raincoat absorbent A pillow stiff A sponge waterproof A table		