

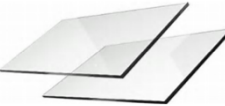







What I should already know		How materials change shape		Vocabulary																																	
Everyday materials and their properties				<table><tr><td>Various</td><td>Lots of different kinds</td></tr><tr><td>Rubber</td><td>A tough material that can be shaped</td></tr><tr><td>Inflatable</td><td>Can be filled with air</td></tr><tr><td>Fabric</td><td>Cloth produced by weaving or knitting.</td></tr><tr><td>Squashing</td><td>Crush something so that it becomes flat, soft, or out of shape</td></tr><tr><td>Bending</td><td>Changing a straight object so that it can be curved</td></tr><tr><td>Twisting</td><td>Change the shape of an object by turning it</td></tr><tr><td>Stretching</td><td>Made longer or wider without tearing or breaking</td></tr></table> <b>Uses of common materials</b> <table><tr><td>Wood can be used for</td><td>Doors and tables</td></tr><tr><td>Plastic can be used for</td><td>Pens and rulers</td></tr><tr><td>Glass can be used for</td><td>Windows and glasses</td></tr><tr><td>Metal can be used for</td><td>Cars and coins</td></tr><tr><td>Rock can be used for</td><td>Garden walls and old buildings</td></tr><tr><td>Brick can be used for</td><td>Houses and walls</td></tr><tr><td>Paper can be used for</td><td>School books and wrapping paper</td></tr><tr><td>Card can be used for</td><td>Folders and birthday cards.</td></tr></table>		Various	Lots of different kinds	Rubber	A tough material that can be shaped	Inflatable	Can be filled with air	Fabric	Cloth produced by weaving or knitting.	Squashing	Crush something so that it becomes flat, soft, or out of shape	Bending	Changing a straight object so that it can be curved	Twisting	Change the shape of an object by turning it	Stretching	Made longer or wider without tearing or breaking	Wood can be used for	Doors and tables	Plastic can be used for	Pens and rulers	Glass can be used for	Windows and glasses	Metal can be used for	Cars and coins	Rock can be used for	Garden walls and old buildings	Brick can be used for	Houses and walls	Paper can be used for	School books and wrapping paper	Card can be used for	Folders and birthday cards.
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 <b>Wood</b> - Hard, strong and stiff	 <b>Plastic</b> -Strong, shiny and bendy																																				
 <b>Glass</b> -Transparent and smooth	 <b>Metal</b> -Hard, strong and shiny																																				
 <b>Water</b> - Runny, wet and clear	 <b>Rock</b> - Strong and hard																																				
<b>Waterproof</b> - Keeps water out <b>Absorbent</b> - Soaks up liquid easily																																					
Famous material scientists		Natural and Man-made materials																																			
 <u><b>John Dunlop (1840-1921)</b></u>  Invented the first inflatable tyre   <u><b>John McAdam. (1756-1836)</b></u>  He invented building roads with a smooth, hard surface.																																					
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