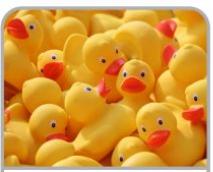
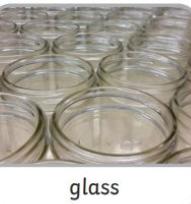
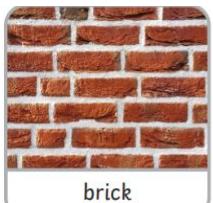
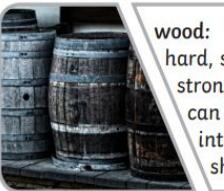


## Materials

Significant Scientist		Key Knowledge		Key Vocabulary	
John Boyd Dunlop	John Boyd Dunlop (1840 - 1921) invented the first pneumatic (air filled) rubber tyre. Although it was invented as an improvement on the bicycle, the pneumatic tyre arrived on the scene just in time to contribute to the success of the automobile.	Materials are what objects are made from.	Objects can be made using one material or a number of materials.	object	A thing that can be used. For example a door, a chair, a table are all objects.
		Objects can be grouped based on what material they are made from.	Materials can be natural or man made.	material	Materials are what an object is made from.
	metal	Some materials have certain properties which are right for a specific purpose. This is why they are used to make this object.		hard	Not easily broken or bent.
	plastic			soft	If something is soft, it is easy to cut, fold or change the shape of.
	wood			stretchy	Can be pulled to make it longer or wider without breaking.
	water	Enquiry Skills	Pattern seeking	shiny	Reflects light easily.
	glass	Sorting and classifying	Observing over time	dull	Doesn't reflect light. Doesn't look bright or shiny.
	brick	Working Scientifically Skills	Use fair testing to performing simple tests	rough	If something feels rough, it feels and looks uneven and bumpy.
	fabric	Use observations and ideas to suggest answers to questions.	Gather and record data to help in answering questions.	bendy	Bendy things can be bent easily into a curved or folded shape.
	paper	 wood: hard, stiff, strong, opaque, can be carved into any shape.	 glass: waterproof, transparent, hard, smooth.	waterproof	If something is waterproof, it keeps water out. It keeps things dry.
	stone	 plastic: waterproof, strong, can be made to be flexible or stiff, smooth or rough.	 metal: strong, hard, easy to wash.	absorbent	If something is absorbent, it soaks liquid up.
		 paper: lightweight, flexible.		 fabric: soft, flexible, hard-wearing, can be stretchy, warm, absorbent.	