
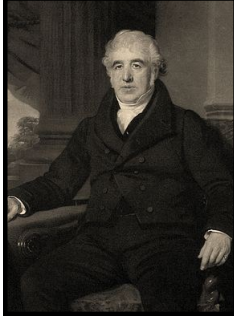



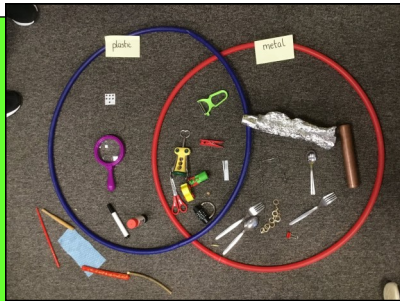
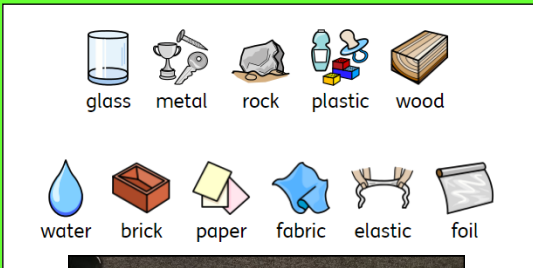
Substantive Knowledge	
Materials can be changed by physical force (twisting, bending, squashing and stretching).	
The properties of a material determine whether they are	

Disciplinary Knowledge	
Performing simple tests.	

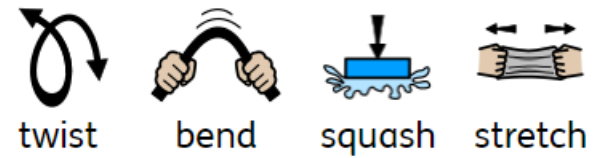
Significant Scientists	
Charles Mackintosh (1766-1843)	Beth Esponette
 <p>Charles Macintosh was a Scottish chemist, best known for his invention in 1823 of a method for making waterproof garments. The mackintosh garment was named for him.</p>	 <p>Beth Esponette has a Bachelor of Science in Fibre Science and Apparel Design and is a dynamic scientist and designer who stands at the forefront of innovation in the fashion industry. She is on a mission to revolutionize the way we perceive and produce clothing.</p>

Interesting Books			
			

Prior Knowledge



Properties can be changed by physical force



Materials are suitable for a purpose



Key Vocabulary

changed	Different from before.
physical force	When objects touch making them move in some way.
absorb	To soak up or take in liquid.
crumbly	Easily broken into a lot of little pieces.
property	How a material can be described.
drag	Pull something along with difficulty.
suitable	Right for the purpose.
strongest	Objects or materials that are not easily broken.
flexible	Bends easily without breaking.