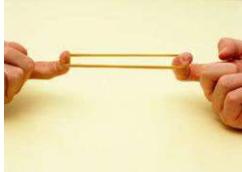
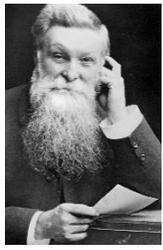


St Neot Primary School Knowledge Organiser		Year Two		Autumn 1		Use of everyday materials	
Key Vocabulary				Squash	Bend	Twist	Stretch
Materials	What something is made from.			Squash by pushing the object from more than one direction at a time. 	Bend by bringing ends towards each other. 	Twist by turning ends in opposite directions. 	Stretch by pulling each end in opposite directions. 
Suitability	How good a material is for a job.						
Properties	What a material is like and how responds to different situations.						
I can: <ul style="list-style-type: none"> <li>identify and compare the <b>suitability</b> of a variety of everyday <b>materials</b>, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</li> <li>find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>							
John McAdam		John Dunlop			Charles Macintosh		
 <ul style="list-style-type: none"> <li>Scottish engineer</li> <li>Experimented with new materials to build roads from</li> <li>'Macadamisation' – way of making a road</li> <li>Roads built this way across the world</li> <li>Tarmac roads are built this way too but using tar.</li> </ul>	 <ul style="list-style-type: none"> <li>Scottish inventor</li> <li>Air-filled rubber tyre</li> <li>1887 for bicycle tyres</li> <li>Later went on to make tyres for cars and motorbikes.</li> <li>Used rubber to make tyres for his son's bike</li> </ul>	 <ul style="list-style-type: none"> <li>Scottish inventor</li> <li>Invented waterproof fabric in 1818.</li> <li>Painted special rubber mixture onto cloth.</li> <li>Mackintosh raincoat created in 1824.</li> </ul>					
Wood		Plastic		Paper		Fabric	
 <ul style="list-style-type: none"> <li>Hard</li> <li>Stiff</li> <li>Strong</li> <li>Opaque</li> <li>Absorbent</li> <li>Can be carved into any shape</li> <li>Can be bent</li> </ul>	 <ul style="list-style-type: none"> <li>Waterproof</li> <li>Strong</li> <li>Can be made to be flexible or stiff</li> <li>Smooth or rough</li> <li>Can be opaque, translucent or transparent.</li> </ul>	 <ul style="list-style-type: none"> <li>Lightweight</li> <li>Flexible</li> <li>Opaque or translucent</li> <li>Very absorbent</li> <li>Can be twisted and squashed</li> </ul>	 <ul style="list-style-type: none"> <li>Soft</li> <li>Flexible</li> <li>Can stretch</li> <li>Can be absorbent or waterproof</li> <li>Can be warm</li> </ul>				
Glass		Metal		Cardboard		Rubber	
 <ul style="list-style-type: none"> <li>Waterproof</li> <li>Usually transparent</li> <li>Hard</li> <li>Smooth</li> <li>Fragile</li> </ul>	 <ul style="list-style-type: none"> <li>Strong</li> <li>Hard</li> <li>Waterproof</li> <li>Can be bent</li> <li>Opaque</li> </ul>	 <ul style="list-style-type: none"> <li>Strong</li> <li>Lightweight</li> <li>Can be bent</li> <li>Absorbent</li> <li>Stiff</li> <li>Can be squashed when wet</li> </ul>	 <ul style="list-style-type: none"> <li>Elastic</li> <li>Flexible</li> <li>Durable</li> <li>Strong</li> <li>Can be stretched, squashed, twisted and bent.</li> </ul>				

Quiz

Question 1

Complete the sentence: Squash by ...

- a) ... bringing ends towards each other.
- b) ... pushing the object from more than one direction at a time.
- c) ... turning ends in opposite directions.
- d) ... pulling each end in opposite directions.

Question 2

Complete the sentence: Twist by ...

- a) ... bringing ends towards each other.
- b) ... pushing the object from more than one direction at a time.
- c) ... turning ends in opposite directions.
- d) ... pulling each end in opposite directions.

Question 3

Complete the sentence: Bend by ...

- a) ... bringing ends towards each other.
- b) ... pushing the object from more than one direction at a time.
- c) ... turning ends in opposite directions.
- d) ... pulling each end in opposite directions.

Question 4

Who was the Scottish scientist who invented the air-filled rubber tyre?

- a) John Macadam
- b) John Dunlop
- c) Charles Dunlop
- d) Charles Macintosh

Question 5

Who was the Scottish scientist who invented a new way of road building?

- a) John Macadam
- b) John Dunlop
- c) Charles Dunlop
- d) Charles Macintosh

Question 6

Who was the Scottish scientist who invented waterproof fabric?

- a) John Macadam
- b) John Dunlop
- c) Charles Dunlop
- d) Charles Macintosh