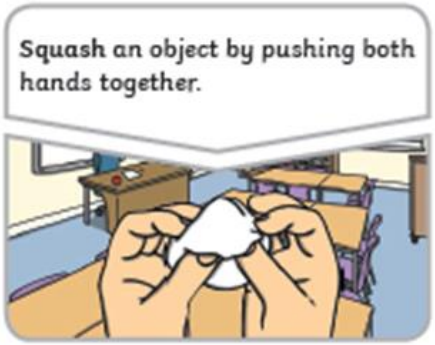
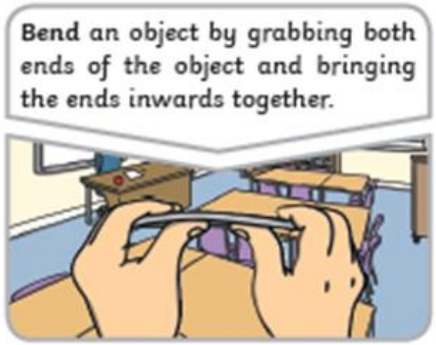
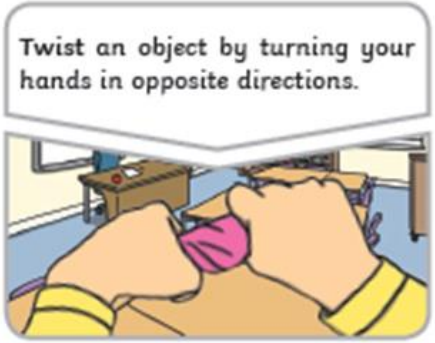
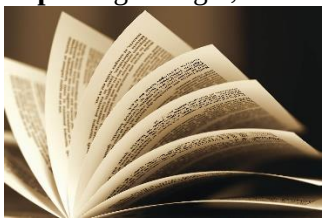
Uses of Everyday Materials- Year 2

Key Vocabulary:	
Materials	Materials are what objects are made from.
Suitability	Suitability means the properties which are right for a specific purpose.
Properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).







Key Knowledge:	
Wood: hard, stiff, strong, opaque, can be carved into any shape. 	**Glass:** waterproof, transparent, hard, smooth. 
Metal: strong, hard, easy to wash 	**Plastic:** waterproof, strong, can be made to be flexible or stiff, smooth or rough. 
Paper: lightweight, flexible 	**Cardboard:** strong, light, stiff 
Fabric: soft, flexible, hard-wearing, can be stretchy, warm, absorbent. 	**Rubber:** hard-wearing, flexible, elastic, strong. 

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Key Questions:

1. Can I say why a material is suitable for its purpose?

2. Can I compare why one material is more suitable than another?

4. Can I explore how the shape of an object can be changed?

5. Can I explain what a material feels like/looks like?

Key Vocabulary:					
Organise **Compare** Strong Tough Flexible	Brick Rock Paper Cardboard Glass Rubber Ceramic Fabric Leather Wool Diamond	**Plastic:** Spoons Chairs Rulers	**Metal:** Coins Cans Cars Table legs	**Wood:** Matches Floors Telegraph poles	Squashing Bending Twisting Stretching

Key Knowledge	
John McAdam	John McAdam was a Scottish engineer who experimented with using new **materials** to build roads, inventing a new process called '**macadamisation**'.
John Dunlop	John Dunlop was a Scottish inventor who invented the air-filled rubber tyre. It was originally invented in 1887 to use with bicycles, and then became very useful when automobiles were developed.
Charles Macintosh	Charles Macintosh was a Scottish inventor and chemist who invented waterproof fabrics in 1818. The Mackintosh raincoat was introduced in 1824.
Macadamisation	Macadamisation was the name given to John McAdam's construction process of building roads. The name tarmac means a road made like this using tar.

People who developed new **materials**: