

Year 2 Science Knowledge Organiser

Key Vocabulary	
materials	Materials are what objects are made from.
properties	What a material is like and how it behaves (hard, transparent, stretchy)
suitability	Having the properties which are right for a specific purpose. (e.g. being waterproof for an umbrella)

Squashing, Bending, Twisting and Stretching



Squash an object by pushing both hands together.



Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by turning your hands in opposite directions.



Stretch an object by pulling your hands slowly and gently apart.

Uses of Everyday Materials

Key Knowledge	
Properties of Materials	
 wood: hard, stiff, strong, opaque, can be carved into any shape.	 glass: waterproof, transparent, hard, smooth.
 plastic: waterproof, strong, can be made to be flexible or stiff, smooth or rough.	 metal: strong, hard, easy to wash.
 paper: lightweight, flexible.	 cardboard: strong, light, stiff.
 fabric: soft, flexible, hard-wearing, can be stretchy, warm, absorbent.	 rubber: hard-wearing, elastic, flexible, strong.