



Science Knowledge Organiser

Materials



Key vocabulary	
materials	What objects are made from.
suitability	Having the properties which are right for a specific purpose.
properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).

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



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.

