


MATERIALS

Key Vocabulary	
materials	Materials are what objects are made from.
suitability	Suitability means 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).



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.

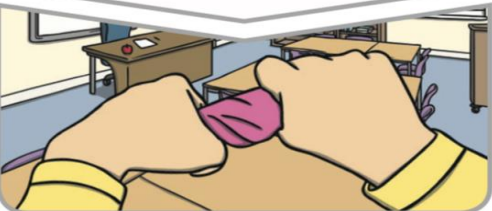
Squash an object by pushing both hands together.



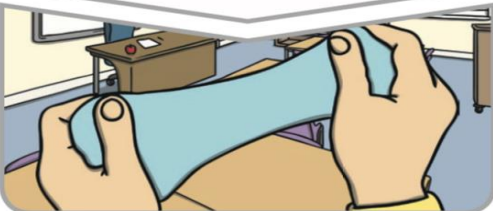
Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by turning your hands in opposite directions.



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



John McAdam's process was so successful that roads were built in this way right across the world.

