



Year 2 - Uses of Everyday Materials

Properties of different materials

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

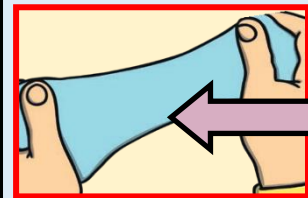
Key Vocabulary

Word	Definition
materials	what objects are made from
suitable	having the properties which are right for a specific purpose
properties	words that describe what a material is like
waterproof	when a material does not let water pass through

Examples of uses of different materials

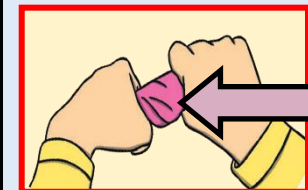
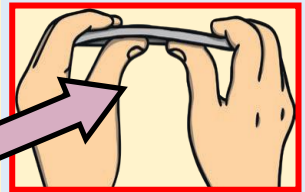
Object	Potential materials
Window frames	Plastic, wood, metal
Cups/water bottles	Metal, plastic, glass, paper
Cutlery (forks, spoons and knives)	Plastic, wood, metal
chair	Plastic, wood, metal

Stretching, Bending, Twisting and Squashing



You can **stretch** an object by **pulling** your hands slowly and gently apart.

You can **bend** an object by **grabbing** both ends of the object and **bringing** the ends inwards together.



You can **twist** an object by **turning** your hands in opposite directions.

You can **squash** an object by **pushing** both hands together.

