





## What I will learn:

- Distinguish between an object and the material it is made from.
- Identify and name a variety of everyday materials inc. wood, plastic, glass, metal, water, rock.
- Compare and group together a variety of everyday materials on the basis of their simple physical features.
- Can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.
- Can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Changing the shape of materials	
<b>Squashing</b> 	Crushing something so that it becomes flat, soft or out of shape
<b>Bending</b> 	Changing a straight object so that it is curved
<b>Twisting</b> 	Changing the shape of an object by turning it
<b>Stretching</b> 	Made longer or wider without tearing or breaking

<b>Wood</b> 	<b>Rigid, strong, hard</b> <i>Can be used for doors, floors, tables, fences</i>
<b>Plastic</b> 	<b>Strong, shiny, bendy</b> <i>Can be used for bottles, pens, rulers, toys, phones, cups, packaging</i>
<b>Glass</b> 	<b>Transparent, smooth, stiff, waterproof</b> <i>Can be used for windows, mirrors, glasses, windscreens</i>
<b>Rock</b> 	<b>Hard, strong, dull</b> <i>Can be used for garden walls, old buildings</i>
<b>Rubber</b> 	<b>Flexible, stretchy, strong</b> <i>Can be used for tyres, elastic bands, balloons, soles on shoes</i>
<b>Brick</b> 	<b>Rigid, strong, dull, rough</b> <i>Can be used for houses, walls</i>

## Science

### Everyday Materials

### Year 1 and 2

## Key Vocabulary

**Properties** - Ways to describe something.

**Material** - The 'stuff' an object is made out of.

**Rubber** - A tough material that can be shaped

**Fabric** - Cloth produced by weaving or knitting.

**Flexible** - Easily bent without breaking.

**Absorbent** - Able to soak up liquid or moisture.

**Waterproof** - Not letting water through; not absorbent.

**Reflective** - A reflective surface is one that can bounce back light.

**Suitability** - having the right properties for a specific purpose.

Some objects can be made from various materials			
<b>Spoons</b> A spoon can be made from plastic, metal or wood		<b>Shoes</b> A shoe can be made from leather, fabric or rubber	
<b>Gloves</b> A gloves can be made from leather, wool or rubber		<b>Cups</b> A cup can be made from plastic, paper or glass	