



**What should I already know?**

- Distinguish between an object and the material from which it is made
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- Describe the simple physical properties of a variety of everyday materials
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.

**Science Skills - Intention**

- Identifying and comparing the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- Finding out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.



**Year 2– Autumn Term – Uses of everyday materials (Science)**

**Knowledge**

MATERIAL	PROPERTIES	CAN BE USED FOR
wood	hard, strong, stiff	doors, floors, fences, tables
plastic	strong, shiny, bendy	bottles, pens, rulers, toys, phones, cups, packaging
glass	transparent, smooth, stiff	windows, mirrors, glasses, windscreens
rock	hard, strong	garden walls, old buildings
rubber	bendy, stretchy, strong	tyres, elastic bands, balloons, soles on shoes
brick	hard, strong	houses, walls

- Some objects can be made from various materials:

A spoon can be made from plastic, metal or wood.

A shoe can be made from leather, fabric or rubber.

A glove can be made from leather, wool or rubber.

A cup can be made from plastic, paper or glass.

- Some materials can change shape by bending, stretching, twisting or squashing.

**Vocabulary**

bending	changing a straight object so that it is curved
dull	not very bright or shiny
flexible	capable of bending easily without breaking.
hard	not easily broken
material	material is the 'stuff' an object is made from
properties	a way to describe something
rigid	unable to bend or be forced out of shape
rough	has an uneven surface
smooth	an even surface with no lumps or bumps
soft	easy to cut, fold or change shape
squashing	crush something so that it becomes flat, soft, or out of shape
stiff	doesn't change shape easily
stretching	made longer or wider without tearing or breaking
twisting	change the shape of an object by turning it.