

# Summer 2- Science Knowledge Organiser

## Materials

## Year 1 and 2

### KS1 Science 'Materials' Aims

- To identify and compare a range of common materials
- To select and compare materials including; metal, wood, paper, brick, plastic and fabric for particular purposes.
- To investigate how some materials can be changed by bending, twisting, squashing or stretching.
- To understand that some materials are found naturally and others are made.
- To gather and record data to help answer questions.

### Vocabulary

**Material** - what an object is made of

**Properties** - what it feels or looks like:-

*hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, not bendy*

**Absorbent** - liquid soaks into it, for example a sponge

**Not absorbent**- liquid does not soak into it

**Waterproof**- water runs off and does not get inside.

*Object, common, same*

**Recycle** -used to make new objects

**Reuse**- use the object in a new way

**Opaque** - light does not travel through the object

**Transparent** - Light travels through the object easily

**Translucent** - Some light travels through the object

### Key Knowledge

#### Materials:



plastic



wood



metal



water



glass



plastic toys



wooden furniture



metal tools



drinking water



glass window

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.

