



## Y2 Thinking like a Scientist

### Everyday Materials

#### Key Knowledge:

### Everyday Materials

Materials are the substances that things are made from.

Materials are used to make objects. Different materials have different properties - they behave or do things in different ways.

Materials include:

Wood, metal, plastic, rubber, glass, cardboard, and paper.

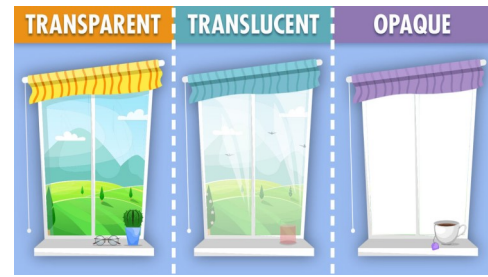
Materials can be transparent, translucent or opaque.

Applying forces to objects can change their shape.

A property is a quality that a material has. Properties include:

- absorbent
- not absorbent
- opaque
- transparent
- bendy
- not bendy
- rough
- smooth
- hard
- soft
- stretchy
- not stretchy
- strong
- not strong
- waterproof
- not waterproof

## Autumn 2



absorbent sponge



soft fabric



stretchy rubber band



transparent vase

### Learning Questions

- Can you recognise that objects are made from materials that suit their uses?
- Which material is suitable?
- Can you recognise that the shape of some solid objects can be changed?
- Can you compare the suitability of materials for particular uses? (transparency and opaque)
- Can you recognise that the strength of some materials can be changed?
- Can you recognise that some materials are harmful to the environment?

### Vocabulary

	material		squeeze
	shape		bend
	pull		stretch
	push		transparent
	twist		opaque
	rigid		flexible