



Science Knowledge Organiser

Everyday Materials

This is chemistry.
Chemistry is the study of properties of matter.

Key Vocabulary

- shape
- pull
- twist
- squash
- bend
- stretch
- flexible
- transparent
- opaque
- rigid



John Boyd Dunlop

Prior Knowledge

- Know the difference between an object and the material that it is made from.
- Identify and name a range of materials including wood, plastic, glass and metal.
- Describe the properties of everyday materials.
- Compare and group materials based on their properties.

Metal	Glass	Wood
Rubber	Cardboard	

Key Knowledge

- An object is something you can touch.
- A material is what the object is made from.
- Different materials have different properties. This means they can do things in different ways.
- Different materials can be **pulled, twisted, squashed, bent and stretched** depending on what it is made from.
- If something is **transparent**, it means we can see through the item or object such as windows or the frames in glasses.
- **Opaque** means that we **cannot see through it**, such as a wooden table or a metal gate.
- Some objects can be made from more than one material. E.g. glasses have glass lenses and can have a plastic frame.

Squashing		Crush something so that it becomes flat, soft, or out of shape.
Bending		Change a straight object so that it is curved.
Twisting		Change the shape of an object by turning it.
Stretching		Make something longer or wider without tearing or breaking it.