Year 2- Materials (Chemistry)

Factual Knowledge



- I know some materials are natural, such as sand, wood and wool and some are human-made such as plastic and cardboard.
- I know some materials are recyclable and can be used again.
- I know paper and cardboard are made from wood.
- I know wood, paper and cardboard come from trees and there are different strengths of wood, paper and cardboard.
- I know wood, paper and cardboard can be recycled and used again.
- I know rock is a natural material and bricks are a human-made material. Rock and brick can be used to build houses, buildings and walls.
- I know glass is hard and brittle. Plastic can be flexible or hard. Some plastic can be recycled. All glass is recyclable.
- I know metal comes in many forms and colours. Some metals are flexible and can easily change shape. Some metals cannot change shape easily.
- I know fabrics can be natural and can be human-made. Fabrics have different uses .
- I know some materials are suitable for an object and some materials are unsuitable for an object.
- I know some materials can change shape and some cannot. Some materials can be bent and some materials can be twisted. Some materials can be squashed and some materials can be stretched.

Important vocabulary I will know

natural material		a material that comes from animals, plants or the Earth
human-made material		a material made by people
recycle		to change rubbish into a material that can be used again
flexible		can change shape easily
rigid		cannot change shape easily
brittle		easily broken
transparent		materials you can see through
translucent		materials that you cannot see clearly through
opaque		materials you cannot see through
waterproof		does not allow water to pass through it

Scientific Enquiry- Comparative test

Enquiry question: Which material would be the best for an umbrella?

Working Scientifically

- Gather, record and classify data
- Make observations
- Take measurements
- Answer questions and make conclusions
- Ask questions



