

Stage 1

Thinking and Working Scientifically

Scientific enquiry: purpose and planning

- **1TWSp.01** Ask questions about the world around us and talk about how to find answers.
- **1TWSp.02** Make predictions about what they think will happen.

Carrying out scientific enquiry

- **1TWSc.01** Sort and group objects, materials and living things based on observations of the similarities and differences between them.
- **1TWSc.02** Use given equipment appropriately.
- **1TWSc.03** Take measurements in non-standard units.
- **1TWSc.04** Follow instructions safely when doing practical work.
- **1TWSc.05** Collect and record observations and/or measurements by annotating images and completing simple tables.

Scientific enquiry: analysis, evaluation and conclusions

- **1TWSa.01** Describe what happened during an enquiry and if it matched predictions.

Biology

Structure and function

- **1Bs.01** Recognise and name the major parts of familiar flowering plants (limited to roots, leaves, stems and flowers).
- **1Bs.02** Identify the senses (limited to sight, hearing, taste, smell and touch) and what they detect, linking each to the correct body part.
- **1Bs.03** Recognise and name the major external parts of the human body.

Life processes

- **1Bp.01** Identify living things and things that have never been alive.
- **1Bp.02** Know that animals, including humans, need air, water and suitable food to survive.
- **1Bp.03** Know that plants need light and water to survive.
- **1Bp.04** Describe how humans are similar to and different from each other.

Chemistry

Materials and their structure

- **1Cm.01** Identify, name, describe, sort and group common materials, including wood, plastic, metal, glass, rock, paper and fabric.
- **1Cm.02** Understand the difference between an object and a material.

Properties of materials

- **1Cp.01** Understand that all materials have a variety of properties.
- **1Cp.02** Describe common materials in terms of their properties.

Changes to materials

- **1Cc.01** Describe how materials can be changed by physical action, e.g. stretching, compressing, bending and twisting.

Physics

Forces and energy

- **1Pf.01** Explore, talk about and describe the movement of familiar objects.
- **1Pf.02** Describe pushes and pulls as forces.
- **1Pf.03** Explore that some objects float and some sink.

Light and sound

- **1Ps.01** Identify different sources of sound.
- **1Ps.02** Explore that as sound travels from a source it becomes quieter.

Electricity and magnetism

- **1Pe.01** Identify things that require electricity to work.
- **1Pe.02** Explore, talk about and describe what happens when magnets approach and touch different materials.

Earth and Space

Planet Earth

- **1ESp.01** Know that Earth is mostly covered in water.
- **1ESp.02** Describe land as being made of rock and soil.

Earth in space

- **1ESs.01** Know that Earth is the planet on which we live.
- **1ESs.02** Describe the Sun as a source of heat and light, and as one of many stars.

Science in Context

- **1SIC.01** Talk about how some of the scientific knowledge and thinking now was different in the past.
- **1SIC.02** Talk about how science explains how objects they use, or know about, work.
- **1SIC.03** Know that everyone uses science and identify people who use science professionally.
- **1SIC.04** Talk about how science helps us understand our effect on the world around us.