



SCIENCE YEAR 7

Learning Outcomes – **Qualitative Feedback**

SCI LOF 7.1 - Unit: DOING SCIENCE - Focus: WHAT DO SCIENTISTS DO?

- I can explain how science is important in everyday life and give examples of scientists.
- I can use the Bunsen burner, basic science apparatus and measuring instruments safely and correctly.
- I can apply the scientific method to carry fair investigations.

SCI LOF 7.2 - Unit: OUR NATURAL ENVIRONMENT – Focus: LIFE ON EARTH

- I can group living things according to their characteristics.
- I can describe the importance of photosynthesis to food chains and food webs and describe feeding relationships.
- I can identify examples of local habitats and organisms.
- I can discuss the human impact on the environment and suggest ways to care for it.

SCI LOF 7.3 - Unit: INVESTIGATING LOCAL HABITATS – Focus: LIFE ON EARTH

- I can apply fieldwork skills to study local biodiversity and the environment.

SCI LOF 7.4 - Unit: UNDERSTANDING MATTER – Focus: CHEMICAL SCIENCE

- I can identify the three states of matter and describe physical changes brought about by heating and cooling.
- I can use the particle model to explain the properties of solids, liquids and gases.

SCI LOF 7.5 - Unit: ACIDS AND ALKALIS – Focus: CHEMICAL SCIENCE

- I can name common acids and alkalis and describe some properties and uses.
- I can use indicators and the pH scale to find and compare acidity and alkalinity of substances.
- I can describe examples of everyday reactions involving acids and alkalis, including neutralisation.

SCI LOF 7.6 - Unit: EARTH AND SPACE – Focus: EARTH AND SPACE

- I can explain how the movement of the Earth and Moon cause day and night, the year, and the seasons.
- I can describe the Solar System, including the sun, our moon and the planets, and recall it is part of the Universe.
- I can relate the concepts of gravity, mass and weight.
- I can explain benefits of space exploration.

SCI LOF 7.7 - Unit: CELLS AND REPRODUCTION – Focus: CELLS AND BODY SYSTEMS

- I can use a microscope to observe and describe plant and animal cells.
 - I can describe typical plant and animal cells and identify some specialised cells.
 - I can describe the process of plant reproduction.
 - I can identify the main parts of the human reproductive systems.
 - I can describe in simple terms fertilisation, pregnancy and sexual maturity.
-