Year Group	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception	The Human Body Seasons of The Year: Autumn	Seasons of The Year: Winter Forces	Seasons of The Year: Spring Our planet	Plants	Seasons of The Year: Summer	States of Matter
Year 1	The Human Body	Animals and their Needs	Seasons and Weather	Taking Care of the Earth	Plants	Materials and Magnets
Year 2	The Human Body	Living Things in their Environments	Electricity	Plants	Materials and Matter	Astronomy
Year 3	The Human Body	Cycles in Nature	Light	Plants	Rocks	Forces and Magnets
Year 4	The Human Body	Classification of Plants and Animals	Ecology	Sound	States of Matter and the Water Cycle	Electricity
Year 5	The Human Body	Materials	Living Things	Forces	Astronomy	Meteorology
Year 6	The Human Body	Classification of Living Things	Electricity	Light	Reproduction	Evolution

Year 7 Expectations

<u>Aims</u>

The national curriculum for science aims to ensure that all pupils:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics

- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them

- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Working scientifically

Through the content across all three disciplines, pupils should be taught to:

Scientific attitudes

- pay attention to objectivity and concern for accuracy, precision, repeatability and reproducibility

- understand that scientific methods and theories develop as earlier explanations are modified to take account of new evidence and ideas, together with the importance

of publishing results and peer review

- evaluate risks.

Experimental skills and investigations

- ask questions and develop a line of enquiry based on observations of the real world, alongside prior knowledge and experience

- make predictions using scientific knowledge and understanding



Science Curriculum Overview

- select, plan and carry out the most appropriate types of scientific enquiries to test predictions, including identifying independent, dependent and control variables, where appropriate

- use appropriate techniques, apparatus, and materials during fieldwork and laboratory work, paying attention to health and safety

- make and record observations and measurements using a range of methods for different investigations; and evaluate the reliability of methods and suggest possible improvements

- apply sampling techniques.

Analysis and evaluation

- apply mathematical concepts and calculate results
- present observations and data using appropriate methods, including tables and graphs
- interpret observations and data, including identifying patterns and using observations, measurements and data to draw conclusions
- present reasoned explanations, including explaining data in relation to predictions and

hypotheses

- evaluate data, showing awareness of potential sources of random and systematic error
- identify further questions arising from their results.

Measurement

- understand and use SI units and IUPAC (International Union of Pure and Applied Chemistry) chemical nomenclature

- use and derive simple equations and carry out appropriate calculations

- undertake basic data analysis including simple statistical techniques.