

### **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.

### **What success looks like**

By the end of KS2, children will be able to:

- Demonstrate secure and connected scientific knowledge across the school's substantive threads within **Biology, Chemistry, Physics and Earth Science**.
- Use their prior knowledge to make connections between scientific ideas and explain how their understanding has developed.
- Use appropriate **scientific vocabulary** accurately when discussing and explaining scientific concepts.
- Ask relevant scientific questions and select appropriate ways to investigate them.
- Plan and carry out increasingly **systematic and independent scientific enquiries**.
- Make careful observations and measurements using appropriate equipment.
- Record and present data and results in appropriate ways, including tables, diagrams, classification keys, graphs and charts.
- Use results and scientific evidence to **draw conclusions, explain findings and identify patterns and relationships**.
- Evaluate investigations, recognise limitations and suggest ways that enquiries could be improved or developed further.
- Apply their scientific knowledge to familiar and unfamiliar contexts and recognise the relevance of Science to **everyday life and the wider world**.