



Curriculum Intent – **Science**

Coordinator Mrs S Bell

Statement of Intent

At Morpeth First School, we recognise the importance of Science in every aspect of daily life and in developing scientists of the future. We aim for children build scientific curiosity in the world around them and enable them to ask questions and find solutions.

The Scientific area of learning is concerned with increasing pupils' knowledge and understanding of our world, and with developing skills associated with Science as a process of enquiry. It will develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities for critical evaluation of evidence.

At Morpeth First School, in conjunction with the aims of the National Curriculum, our Science teaching offers opportunities for children to:

- 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;
- be equipped with the scientific knowledge required to understand the uses and implications of Science, today and for the future.
- develop the essential scientific enquiry skills to deepen their scientific knowledge.
- Use a range of methods to communicate their scientific information and present it in a systematic, scientific manner, including I.C.T., diagrams, graphs and charts.
- Develop a respect for the materials and equipment they handle with regard to their own, and other children's safety.
- Develop an enthusiasm and enjoyment of scientific learning and discovery.

We aim to ensure that our science curriculum is well sequenced and ambitious, building on the interests and prior knowledge of the children and harnessing their natural curiosity. We provide opportunities for knowledge recall and revision through the use of age appropriate quizzes, mind maps and knowledge organisers as well as developing scientific skills in a systematic fashion. In order to develop an ambitious and challenging curriculum, in addition to national curriculum aims, we endeavour to offer opportunities for children to help steer the direction of their learning through finding out what they want to learn, as well as taking opportunities to make relevant links to current local, national and global events and issues.

Through the use of varied teaching and learning strategies including practical and thinking skills activities, we aim to engage all children, including those children with SEND. Where possible, we use the local context of the school or other real world contexts as a stimulus for learning. Visits to local places of interest such as Northumberland Zoo and Life Science centre as well as speakers and visitors from a variety of science based backgrounds and careers raise the aspirations of children in this subject area.