



Science Curriculum Statement



Intent:

Our vision in Science is to encourage curiosity in children so that they ask questions which fuel explorations and investigations about the universe we live in. Throughout the school science is a practical, interactive, 'hands on' subject which develops the skills and processes of scientific enquiry, as well as understanding about the concepts being explored. The children systematically build a bank of scientific vocabulary which supports their acquisition of scientific knowledge and enables them to effectively describe and explain the concepts they are learning about.

Implementation:

At Sandringham Infant and Nursery Academy we teach science through our topic-based curriculum which allows the children to make links between Science and the other subjects they are studying. Science is taught using an enquiry approach and the children are encouraged (in all key stages) to pose and investigate their own scientific questions.

In Reception we start scientific enquiry by posing a question to discover what children already know. Learning then builds on this through planning and explorative experiences. In Key Stage 1 the topics are used to generate scientific questions and investigation. The children are encouraged to answer these in different ways such as:

- Observing closely, using simple equipment.
- Performing simple tests.
- Identifying and classifying.
- Using their observations and ideas to suggest answers to questions.
- Gathering and recording data to help in answering questions.

Impact:

Children at Sandringham will;

- Develop a deep and lasting interest in science
- Be prepared for life in an increasingly scientific and technological world
- Show concern for and appreciate our environment
- Apply scientific vocabulary to describe and explain the world around them
- Be able to make links to the broader curriculum and their life experiences
- Be confident to lead their own learning, carry out and plan investigations to provide answers to their own questions.