



MILLDENE PRIMARY SCHOOL

SCIENCE CURRICULUM



Intent

Through science, our pupils will be inspired and curious about the world around them and develop enquiring minds that prepare them for modern life.

The aim is for all pupils to:

- Develop scientific knowledge and conceptual understanding;
- Develop understanding of the nature, processes and methods of science through the different types of science enquiries;
- Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Implementation

At Milldene Primary School, science is taught through varying topics and integrated with the Cornerstone curriculum. The curriculum focuses on the acquisition of scientific knowledge and concepts and the understanding of 'working scientifically'. The curriculum directly links with the school's progression of key scientific knowledge and skills, which focuses on:

- Developing a secure understanding of knowledge and concepts through the disciplines of biology, chemistry and physics;
- Describing key characteristics using technical terminology accurately and precisely;
- Building up an extended specialist vocabulary;
- Applying their mathematical knowledge;
- Embedding 'working scientifically' within the content of biology, chemistry and physics;
- Developing an understanding of the key features of the different types of scientific enquiry in order to use a variety of approaches to answer relevant scientific questions.

The Early Year Foundation Stage follow the school science curriculum and objectives link closely with the 'Understanding the World' and 'Physical Development' Development Matters statements.

Impact

Assessments are made through a combination of observation, discussion, written work, presentations and projects. In KS1 and KS2, the scientific knowledge and skills progression statements are used for periodic assessment. These are aligned to the school curriculum. Teachers update assessments at the end of a topic and at least bi-annually record these on Target Tracker.

In EYFS, pupils' progress will continuously be monitored and the curriculum amended to support interests, needs and opportunities.

Monitoring

A monitoring action plan is created each year to ensure this policy and the curriculum are followed and taught. A range of monitoring strategies are used to ensure there is triangulation. Support will be offered to teachers where 'areas for development' are identified.

Renewal

This policy is revisited on a yearly basis and amendments are made where appropriate.