

Science Policy Statement

Purpose

To clarify the links with the whole school curriculum framework.

Policy Development

The whole staff were involved in the revision of the policy through staff curriculum meetings. The head and Governor Curriculum committee

In Science we hope children will:

- understand the world in which they live
- explore how and why things happen
- develop sensitivity and respect for the environment.

In Science work we encourage the development of scientific enquiry through:

- questioning
- predicting
- observing
- fair testing
- concluding.

Content of the Science programme

Science is taught in blocked units and where appropriate linked to the topics. The content of the curriculum is recorded in short medium and long term plans.

Planning and Organisation

Planning is documented using our short, medium and long term plans. We are using selected QCA Science schemes of work document and our curriculum map to inform our short term planning. We achieve curriculum balance in Science by organising differentiated activities and planning strategies to encourage investigation and experiments of Science in every day life. The Science scheme of work ensures coverage of the National Curriculum.

Teaching Approach

In teaching Science we begin activities with whole class discussion to determine previous knowledge of subject area and to develop ideas through

brainstorming and concept mapping. We use a variety of teaching methods including pair work, group work (similar and mixed ability) and whole class teaching. We consider that reporting back as a class activity can challenge original concepts and that teacher's questioning throughout helps to raise scientific understanding.

Access and Entitlement

We believe that every learner is entitled to the full range of activities and that these are relevant to all children irrespective to their gender, age, ethnic background or disability.

Differentiation

To allow for differentiation, we plan to cater for different ages and abilities, including those with specific learning difficulties or who are gifted and talented through:

- ways of recording and presenting
- extensions
- year group interest
- rotating ability groups
- different tasks

Assessment of Pupils and Record Keeping

- Children will be given targets throughout the year these will be recorded along with National Curriculum levels and attainment details.
- Reporting - at the end of the year, all parents will receive a written report. Feedback of progress is also given at termly parent consultation meetings.

Progression

Continuity and progression is planned within the Curriculum Maps and Schemes of Work. We consider the acquisition of process skills is developmental throughout the school.

Safety

Resources

Topic based resource boxes are stored in the resource cupboard. All other resources are class based. The classroom itself should be a stimulating working environment, with displays that will promote quality, enjoyment, interest, enquiry and creativity in Science.

Staff roles and responsibilities

The Science co-ordinator is responsible for monitoring and evaluating science in the curriculum, the staff are responsible for ensuring each child has access and experiences of science. The co-ordinator will be available to help staff with ideas for the planning of their teaching.

Monitoring and Evaluating

The development of Science is monitored by the co-ordinator, through focused visits, working alongside the class teacher, assisting year group planning, monitoring and assessing coverage and observing displays. The headteacher and governors make focused visits to observe classroom activities and displays.