

School Policy for Science



1. Introduction

Science teaches an understanding of natural phenomena. It aims to stimulate a child's curiosity in finding out why things happen in the way they do. It teaches methods of enquiry and investigation to stimulate creative thought. Children learn to ask scientific questions and begin to appreciate the way science will affect their future on a personal, national and global level.

This policy outlines the purpose, nature and management of Science taught at Uffington School.

This policy reflects the consensus of opinion of the whole teaching staff and has the full agreement of the Governing Body.

The implementation of this policy is the responsibility of all teaching staff.

2. Entitlement

Science is a core subject of the National Curriculum.

All children in Key Stages 1 and 2 are taught the skills and knowledge of Science as outlined in the programmes of study of the National Curriculum.

3. Aims and Objectives

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.

To enable the children to:

- work scientifically
- ask and answer scientific questions through observation and measurement;
- plan and carry out scientific investigations, using equipment, including computers;
- know and understand the life processes of living things;
- know and understand the physical processes of electricity, light, sound and natural forces;
- know and understand materials and their properties;
- know and understand evolution and inheritance
- evaluate evidence and present their conclusions clearly and accurately.

4. Implementation

In the Foundation Stage, science activities are planned in line with the Early Learning Goals and foster the children's Knowledge and Understanding of the World.

Activities are planned in such a way as to make them accessible to all children;

Fundamental links with other areas of the curriculum are made when planning Science activities.

Whenever appropriate, ICT is used to support teaching and learning in Science.

All studies of living things include a consideration of environmental issues.

Children are encouraged to discuss health and safety implications concerning themselves and others when undertaking science activities.

Assessment and Recording

Children's work in Science is assessed through the making of informal judgements based upon observation and discussion. On completion of a piece of work, the teacher marks the work and comments as necessary. At the end of a unit of work the teacher makes a summary judgement about the progress and attainment of each pupil.

A statutory teacher assessment is made at the end of both KS1 and KS2. The results of these assessments are reported to the Department for Education, the local authority and parents.

Attainment in Science is reported to parents on an annual basis as part of the Individual Report.

5. Resources

Resources for the teaching of Science are stored in the central resource room. There are various books in the library to support teaching and learning in Science.

6. Monitoring and Review

The curriculum and teaching of Science is reviewed on an annual basis as part of the School Subject Review Cycle.

The Headteacher and staff will review this policy biennially. Any suggested amendments will be presented to the Governing Body at their first meeting following review.

Reviewed by the Curriculum Committee	July 2014
Reviewed by the Curriculum Committee	July 2016
Reviewed by the Curriculum and Standards Committee	July 2018
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