

NORHAM
ST. CEOLWULF'S
C OF E SCHOOL



Norham St Ceolwulf's

C of E First School

Science Policy

2017-18

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Introduction

We consider Science to be a body of knowledge essential to the world around us. In addition the skills and knowledge of Science have a wide application in everyday life.

Aims and Objectives:

- We aim to develop, maintain and stimulate confidence in Science;
- We will encourage our pupils to develop a growing awareness of the diversity and investigative nature of scientific enquiry and an appreciation of its relevance in everyday life;
- The children will be given opportunities to express their ideas fluently, develop enquiring minds, knowledge, skills and attitudes by working in groups, as individuals and as a class;
- We will continue our high quality delivery and resourcing of Science to support our aims;
- We will provide a variety of high quality experiences and resources for children to develop their ability to work scientifically and to build their knowledge of science following the new National Curriculum;
- The knowledge and content of the new National Curriculum will be introduced throughout both Key Stages in a progressive and coherent way which will be indicated in our schemes of work.

Planning and Progression

Science is a core subject of the National Curriculum. The knowledge, skills and understanding covered in Science in school are those laid down in the Programmes of Study. Our planning and progression are based on these.

- We plan to enable the children to develop an awareness of the importance of Science in everyday life, including its relevance to personal health and safety;
- We plan to provide challenging experiences in which the children are able to apply their scientific knowledge;
- As good practitioners we are continually assessing our pupils. Our assessments will be purposeful, allowing us to match the correct level of work to the needs of the pupil, thus benefiting the pupil and ensuring progress;
- With the removal of levels in the new National Curriculum we will be assessing against the objectives in the new curriculum (emerging, expected, mastery). Our systems of assessing and recording will be reviewed and updated whenever necessary.

Resources

Science resources are kept in the Science and Technology cupboard situated in the Main Hall and in Key Stages where appropriate. Any consumable resources are ordered by the Science coordinator as/when required. The Science coordinator will audit and ensure appropriate maintenance of resources on a regular basis.

Differentiation and SEN

The study of science will be planned to give pupils a suitable range of differentiated activities appropriate to their age and abilities. Tasks will be set which challenge all pupils, including the more able and Gifted and Talented, where appropriate. For pupils with SEN the task will be adjusted or pupils may be given extra support.

Equal Opportunities

All children have equal access to the science curriculum and its associated practical activities. As a school we are responsible for ensuring that all children, irrespective of gender, learning ability, physical disability, ethnicity and social circumstances, have access to the whole curriculum and make the best possible progress. Where appropriate, work will be adapted to meet pupils' needs and, if appropriate, extra support given. More able pupils will be given suitably challenging activities. Gender and cultural differences will be reflected positively in the teaching materials used.

Roles and Responsibilities

Science Co – coordinator:

- To support colleagues in all stages of planning;
- To monitor progress in Science and advise the Head teacher as to action needed;
- To take responsibility for checking and updating resources;
- To keep up to date with developments in Science and disseminate information to colleagues as appropriate.

Class Teacher:

- To provide suitable medium and short term planning for Science for their year group following the new National Curriculum document and deliver the curriculum accordingly.

Monitoring and Evaluation

Planning and Assessment will be monitored by the Science Co – coordinator and any action will be discussed and agreed with the staff and Head teacher. The Governor for Science, alongside the Science Co-coordinator, will monitor the Teaching and Learning in Science during their monitoring visit day identified in the School Development Plan.

Health and Safety

Safe working practice is demanded. A risk assessment is made before any practical work in Science and safety issues are noted in the planning documents. We follow the guidelines laid down in the A.S.E. Safety Policy and the school's Health and Safety Policy.