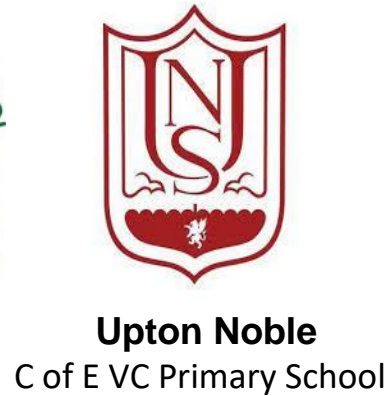


East Somerset Federation



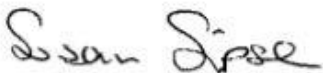
Bruton
Primary School



Upton Noble
C of E VC Primary School

Science Policy

**Approved by the Governing Body of
The East Somerset Federation**

Signed: 

Date: September 2023

Date for Review: September 2025

Science Intent

We want our children at the East Somerset Federation to acquire knowledge, skills, concepts and positive attitudes whilst deepening their understanding across all scientific disciplines. We will use the National Curriculum to support teaching and learning and will provide opportunities for whole school investigations enabling children to apply skills and knowledge.

Working scientifically will be embedded and children will develop an intrinsic desire to question the way the world around them works. They will develop the necessary skills to investigate and apply this knowledge beyond the scientific classroom.

Children will build upon prior knowledge as they progress through the school and will be eager to share their learning using scientific terminology and vocabulary.

Health and Safety

We aim to encourage and develop safe practice for all in Science.

Pupils will be taught to use scientific equipment safely when using it during practical activities.

Teachers will take responsibility for assessing health and safety in their classrooms and will seek advice from the science coordinator where necessary. Risk assessments will be completed by the class teacher where appropriate. These will be checked by the Head of School and Executive Headteacher. Copies will be stored in the science folder.

Scientific equipment will be stored in the science cupboard.

Equal Opportunities

At the ESF, we aim to meet the needs of all our children by differentiation and by providing a variety of approaches and experiences appropriate to ability levels and learning styles. This will enable children with learning and or physical disabilities to take an active part and achieve success in scientific learning and practical activities. Some children will require close supervision and more adult support to allow them to access the learning and make progress. More able children will be extended and challenged through differentiated activities and questioning.

Within the ESF, we are committed to providing all children with an equal entitlement to scientific activities and opportunities.

Cross Curricular links

Science pervades every aspect of our lives and we will relate it to all areas of the curriculum. We will ensure that pupils realise the positive contribution of both men and women to science and the contribution from those of other cultures. We not only

emphasise the positive effects of science on the world but also include problems, which some human activities can produce.

Planning and Assessment

The main aspects of science to be studied will be determined by the programmes of study of the National Curriculum 2014 and this will be used to inform our planning. The scientific process and pupils' problem-solving activities will be used to deepen their understanding of the concepts involved.

In the Early Years Foundation Stage, we use the Statutory Educational Programmes and the EYFS Curriculum to inform planning.

We assess children's work formatively through observations, questioning and marking. Much of the work done in science lessons is of a practical or oral nature and, as such, recording will take many varied forms. Written work is marked regularly and clearly, as an aid to progression and to celebrate achievement and progression. When appropriate, pupils may be asked to self-assess or peer assess their own or other's work.

Children will be assessed summatively at the end of each block, both for their discrete understanding of knowledge and for Working Scientifically. Teachers assess whether children are working at or below the expected level for their age based on their understanding and application of the content of the National Curriculum 2014. Assessments will be collated and stored on the Google Drive. Progress and attainment will be reported to parents through parents' evenings and end of year reports.

In the Early Years Foundation Stage, children will experience a range of opportunities through purposeful play and guided group activities to extend their knowledge in 'Understanding the World' around them. They also engage in opportunities to carry out simple investigations. Children are assessed using the EYFS Curriculum. The EYFS profile will be completed at the end of each academic year

Monitoring and Review

The monitoring of standards of work and the quality of science teaching is the responsibility of the science subject leader. The work of the subject leaders is significant in raising standards and this involves supporting colleagues in their teaching, being informed about current developments in their subject, and providing a strategic lead and direction in science. Where possible, subject leaders have specially allocated time for carrying out the vital tasks of reviewing samples of work and visiting classes to observe teaching.

This policy will be reviewed biennially.