

Ellel St. John's C of E Primary School

Science Policy

Autumn 2022



Mission Statement:

'Living, loving and learning in the Light of Christ'

At Ellel St. John's children thrive socially and emotionally in a stimulating environment that nurtures every child with learning at the heart of all we do. We are committed to providing an excellent education where children achieve their full potential and our academic standards are consistently very high. Through our strong Christian ethos and pastoral care, we help our children to develop into caring, confident, responsible and reliable young people.

Ellel Statement of Intent:

We believe each child is known, unique, special and made in the image of God. Our children will discover a love of learning for life through an inspiring curriculum full of opportunity. Our school family is a welcoming, friendly community that builds compassionate and resilient children ready to take their place in the world.

Ellel St. John's provides an engaging and memorable place-based curriculum, relevant to each individual child in their locality. Every child is entitled to a diverse curriculum which builds on and develops their life experiences, ensuring that they are offered equality of opportunity.

Our curriculum ensures that it develops the whole child: their spirituality; their social and emotional mental health and well-being; their physical health; their academic success and their creativity and innovation. These aspects contribute to our children becoming local, national and global citizens for the future.

At Ellel St. John's C of E Primary School our intention is to provide a Science curriculum that is current and relevant to the children in which they have the opportunity to explore, engage, discuss and understand the world around them through the specific disciplines of biology, chemistry and physics. They will have opportunities to see how important Science is in our every-day lives, including the role it plays in our locality such as Heysham Power Station, Lancaster University and Eden Project North. Science has revolutionised our lives and through the curriculum the children will understand the essential aspects of the knowledge, methods and process and uses of Science as well as the vital role that Science plays in our future.

Aims:

- 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.
- Help to develop and extend children's scientific concept of the world and build on their natural curiosity to develop a scientific approach to problems.
- We will encourage open-mindedness, self-assessment, perseverance, investigative skills such as predicting, observing, measuring, communicating, interpreting, explaining and evaluating.

Health and Safety

Pupils will be taught to use resources and equipment safely. The use of equipment will be closely supervised by teachers with teachers giving health and safety instructions applicable to each task. Personal Protective Equipment (PPE) is available for staff and pupils to use if necessary.

SEND and Inclusion

Children with SEND are enabled to access the curriculum through a variety of ways such as differentiated work, the assistance of a Teaching Assistant, paired work to scaffold learning and working with the Class Teacher. All children are to experience high quality teaching and learning regardless of their needs. Please see the SEND policy for further information.

Assessment, Reporting and Recording

Pupils will be encouraged to reflect upon their work as individuals, in small groups, as a class and through self-assessment as appropriate. Teachers will use a range of formative and summative assessment strategies to record whether the children are meeting Age Related Expectations. Teachers will use their assessments as well as assessments from previous years to assist in their planning. At the end of each year teachers will make summative assessments of the attainment and progress made by pupils against the National Curriculum and use these to report to parents/carers.

The Role of the Subject leader

- To ensure the progression of skills are covered in each year group.
- To monitor the curriculum and the progression of Science.
- To review the needs of Science within the school.
- To support teachers in promoting high standards in teaching and learning.
- To ensure equipment and resources are replenished.
- To ensure good Health and Safety practices are followed.
- To regularly review the Subject Action Plan.

Review

The effectiveness of the teaching and learning in Science will be regularly monitored by the Headteacher and Subject Leader.

Reviewed: Autumn 2023

To be reviewed: Autumn 2024