Intent, Implementation and Impact of Primary Science at Sparsholt CofE Primary school.

Intent

Science teaching at Sparsholt C of E Primary School aims to give all children a strong understanding of the world around them whilst acquiring specific skills and knowledge to help them to think scientifically, to gain an understanding of scientific processes and also an understanding of the uses and implications of Science, today and for the future. We aim to provide a science curriculum which enables them to confidently explore and discover the world around them, so that they have a deeper understanding of the world we live in.

We aim to create fun and stimulating science lessons that nurture children's natural curiosity and their on-going development through a hands-on, enquiry-based curriculum which promotes questioning, challenge, working practically, investigating, evaluating, making choices, working independently and using scientific vocabulary.

Implementation

Science teaching at Sparsholt builds upon previously taught knowledge, skills and vocabulary each year. Teachers use the subject progression grids to ensure coverage is relevant and cohesive alongside the planning documents that comprise of the Key Ideas in Science, Hampshire learning journeys and National Curriculum objectives. Science teaching at Sparsholt covers all the objectives set out in the Program of Study in the National Curriculum for EYFS, Key Stage One and Two.

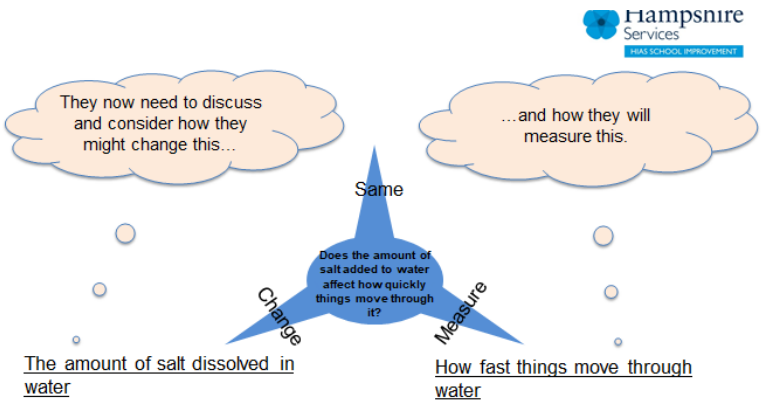
Lessons at Sparsholt include reviewing previously taught knowledge, skills and vocabulary to ensure a secure understanding and promote the importance of an investigative approach to Science. Previous knowledge obtained, key skills and further progression has been mapped out for each strand within the Science Curriculum from EYFS through to Year Six.

Planning is built around Hampshire Learning Journeys but is adapted and added to by class teachers to make it relevant to our children and the environment in which we teach.

Every unit of work has an accompanying whole class assessment sheet that teachers use to assess children's progress in both substantive and disciplinary knowledge.

At Sparsholt we are proud of the rich curriculum and extra-curricular opportunities we offer. Teachers recognise the abilities and skills of all children, differentiating activities to ensure access for all.

There is a clear progression of learning through the school from EYFS through to Year Six in key knowledge acquisition as well as scientific enquiry and investigative teaching and learning through the use of the tri-approach:



Children are introduced to new vocabulary in each unit and when relevant, cross-curricular links are made. Educational visits and wider opportunities take place to enhance the children's learning and progress, including experiences led by specialists such as visits to the Gilbert White Centre, Henry Beaufort School and Winchester College.

All practical learning is carried out in accordance with Hampshire's *Safety in Science - 2025*

Impact

Science teaching and learning provides a positive experience for the children at Sparsholt. This is evident through pupil engagement and enthusiasm for Science. Children have access to a range of resources to support their learning and teachers make use of the local environment to strengthen teaching. Subject progression grids have enabled Science across the school to be taught with progression and quality as a focus. Children keep up with the curriculum demands and make good progress, with the ability to apply their knowledge to multiple situations as they move through the school.

We measure the impact of our Science curriculum through the following:

- Assessment grids at the end of each unit
- Tracking of knowledge using planning and 'Working Scientifically' grids
- Pupil discussions about their learning and work sampling

Eco Team

The children at Sparsholt are passionate about their environment and sustainability. They raise awareness around environmental concerns and are proactive in identifying how we as a whole school community can play our part in tackling the issues affecting the environment today.