Science Policy

Intent

At the Kenn and Kenton Federation, it is our intention to recognise the importance of Science in every aspect of daily life, both the knowledge of biology, chemistry and physics, but also the transferable skills that pupils will learn through scientific enquiry. This will develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities for critical evaluation of evidence.

We will build and deliver a Science curriculum which develops learning and results in the acquisition of knowledge and build a Science curriculum which enables all children to become enquiry based learners.

Staff will deliver regular, high quality lessons and sequences of work, built into cross-curricular learning where possible, which build upon previously learnt objectives and nurture a seed of curiosity which children can use well beyond their time in primary school.

Implementation

- A clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning should show progression across all key stages within the strands of Science.
- Children are exposed to key scientific vocabulary in order to understand and readily apply to their verbal, written and mathematical communication of their skills.
- Children will use a range of resources, including the school and forest school environments, to develop their knowledge and understanding that is integral to their learning and develop their understanding of working scientifically.
- Clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning should plan for practical investigative opportunities within Science lessons.
- Children will reflect on previous learning and cross curricular links will be made wherever possible with a particular emphasis on using scientific vocabulary across subjects.
- Children will be able to build on prior knowledge and link ideas together, enabling them to question and become enquiry based learners.
- Attainment will be assessed each term through relevant assessment tasks and recorded on traffic light sheets in line with the school assessment policy.
- The science coordinator will carry out reviews of the state of science teaching through meetings with children across the school and looking at examples of children's work.
- We aim to involve parents in their child's science work by setting homework and holding an annual science week where parents are invited into school to complete investigations with their children or talk about the role of science in their working lives.
- We will give children the freedom to explore their particular interests in science by setting Quest tasks in school and for homework each half term.

Staff training?

Impact

- Most children will achieve age related expectations in Science at the end of their cohort year.

- Children will retain knowledge that is pertinent to Science with a real life context, including being able to name scientists and scientific roles in the workplace.
- Children will be able to question ideas and reflect on knowledge.
- Children will work collaboratively and practically to investigate and experiment critically.
- Children will be able to explain the process they have taken and be able to reason scientifically.

Vocabulary development?
Transferable skills?
Inquisitive children? – characteristics that we wish to encourage – Secrets of Success?