Hunstanton Primary School Science Statement 2023-24

Intent

At Hunstanton Primary school, we endeavour to provide a high-quality science education that provides children with the foundations they need to recognise the importance of science in every aspect of daily life. We want our children to appreciate how science has changed the lives of human beings and know that it is vital to the world's future prosperity. Therefore, all pupils will be taught essential aspects of the knowledge, methods, processes and uses of science.

Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena.

Children should be taught to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes. Our curriculum also encourages children to become enquiry-based learners, collaborating through researching, investigating, and evaluating experiences.
It will provide opportunities for the critical evaluation of evidence and rational explanation of scientific phenomena as well as opportunity to apply their mathematical knowledge to their understanding of science, including collecting, presenting, and analysing data. Children will be immersed in key scientific vocabulary, which supports in the acquisition of scientific knowledge and understanding All aspects of 'Working Scientifically' from the National Curriculum are interwoven throughout our curriculum, again, to ensure that children understand what it means to be a successful scientist.

All children will be provided with a broad and balanced science curriculum, which builds on prior learning and reflects the equality and diversity policies and practice in school.

Implementation

The successful approach to the teaching of science at Hunstanton Primary School will result in a fun, engaging, high quality science education, that provides children with the foundations for understanding the world that they can take with them once they complete their primary education. Teachers are required to:

- Plan and deliver a series of lessons for each topic area, which carefully plans for progression and depth- we use Plan Bee science scheme of work
- Use appropriate online resources which aim to help develop children's scientific curiosity.

Each year group follows the same pattern Passport to the World, Norfolk Now and Homeland with science topics linked to this where possible.

Impact

Assessment at Hunstanton Primary School is teacher based and formed using formal strategies (e.g., periodic year group assessment tasks, quizzes) and informal strategies (e.g., Use of concept maps, verbal/written outcomes, reflection tasks/presentations).

Formative assessment is used as the main tool for assessing the impact of Science at Hunstanton Primary School as it allows for misconceptions and gaps to be addressed more immediately rather than building on insecure scientific foundations.

Children at Hunstanton Primary School will:

- Demonstrate a love of science work and an interest in further study and work in this field.
- Retain knowledge that is pertinent to science with a real-life context.
- Be able to question ideas and reflect on knowledge.
- Be able to articulate their understanding of scientific concepts and be able to reason scientifically using vocabulary linked to science.
- Demonstrate a high love of mathematical skills through their work, organising, recording, and interpreting results.
- Work collaboratively and practically to investigate and experiment.

Impact *of* learning will be assessed though: Interviews, deep dives, assessing whether or not children can answer the Big Question and make links to prior learning etc.