



Intent

At Croft CofE Primary School, it is our intention to provide a high quality science education that provides children with a healthy curiosity in children about our universe and promotes respect for the living and non-living. We give the teaching and learning of Science high prominence.

We have planned our curriculum to enable children to become enquiry-based learners using 'The Big Question.'

Our teachers will ensure that all children are exposed to high quality teaching and learning experiences. Children will be encouraged to ask questions about the world around them and work scientifically to further their conceptual understanding and scientific knowledge.

Implementation

Through teaching regular high quality investigations which build on and develop children's knowledge, understanding, questioning and enquiry skills. Investigations, knowledge and vocabulary are laid out clearly in schemes of work to ensure coverage and progression.

Our curriculum is built around the principle of 'The Big Question'. It requires deep thinking and encourages learners to work using a focus question as the starting point, considering different avenues to get the answer.

We intend children to be able to build on prior knowledge and link ideas together, enabling them to question and become enquiry based learners.

Memorable knowledge and skills have been identified for each of the units to provide progressive acquisition of knowledge. This is supported by the use of 'key vocabulary' which are displayed on science working walls and subject specific knowledge mats. Teachers regularly refer to this knowledge and key vocabulary with meanings.

Impact

The successful approach to the teaching of science at Croft CofE 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.

Children at Croft CofE Primary School will:

- demonstrate a love of science work and an interest in further study and work in this field
- understand science in the world around them, including science capital and links to STEM careers
- 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 using rich language linked to science.
- demonstrate a high level of mathematical skills through their work, organising, recording and interpreting results.
- work collaboratively and practically to investigate and experiment.
- achieve age related expectations in Science at the end of their cohort year.

