

Intent

It is our intention in Science at Creeting St Mary CEVAP school to develop in our children a lifelong curiosity and interest in Science. When planning for Science, we intend for children to have the opportunity, wherever possible, to learn through varied systematic investigations, leading to them being equipped to ask and answer scientific questions about the world around them. As children progress through the school they build on their skills, by working scientifically, and their scientific knowledge grows. As time progresses they should develop greater independence in planning and carrying out fair and comparative tests in order to answer a range of scientific question. We use the Developing Experts science scheme as a basis for our planning. Vocabulary lists are provided for each unit of work. The Science scheme of work runs on a two year rolling programme to allow for our mixed aged classes. This ensures that children have a varied, progressive and well-mapped-out science curriculum that provides the opportunity for progression across the full breadth of the science national curriculum for EYFS, KS1, lower KS2 and upper KS2. Developing Experts provides Expert Videos and by using these we are able to ensure that our children meet scientists from a diverse range of backgrounds.

Implementation

The acquisition of key scientific knowledge is an integral part of our science lessons. The progression of skills for working scientifically are developed through EYFS, KS1, lower KS2 and upper KS2 and scientific enquiry skills are of key importance within lessons. The progression of these skills is set out in the Science Progression Map. Each lesson has a clear focus. Scientific knowledge and enquiry skills are developed with increasing depth and challenge as children move through the school using our two year rolling programme to allow for our mixed aged classes. They complete investigations and hands-on activities while gaining the scientific knowledge for each unit. Teachers provide opportunities to reflect and review as the unit progresses. There is also the opportunity to regularly review and evaluate children's understanding. Years 2 to 6 complete an assessment at the end of each unit. Results of these assessments are monitored by the subject leader. Activities are effectively differentiated so that all children have an appropriate level of support and challenge. The web site 'Explorify' is used in 'odd' moments to excite and motivate children and to build their questioning and deduction skills in science.

Impact

In Science, progress is measured through a child's ability to know more, remember more and explain more. This can be measured through Teacher Assessment at the start of each unit (KS2), during teaching and through the use of The Developing Experts Science assessments at the end of each unit (yr2 to 6). Attainment and progress can be measured across the school using our whole school assessment spreadsheets. Vocabulary lists for each unit mean that the learning environment across the school will be consistent with science technical vocabulary spoken and used by all learners. Children who feel confident in their scientific knowledge and enquiry skills will be excited about science, show that they are actively curious to learn more and will see the relevance of what they learn in science lessons to real-life situations. They will recognise the importance of science in the real world. Parental engagement will be encouraged by asking parents to attend British science week when it is celebrated in school.