



Being the best we can be; committed to making a difference
EXPERIMENT. REFINE. LEARN. REPEAT.

INTENT - Purpose of Study

Science teaching at West Berry Federation aims to harness children's natural curiosity and sense of wonder about the world around them. Our science curriculum aims to engage children with scientific enquiry and practical activities embedded at the heart of it. Subject specific vocabulary is taught and built upon so that children can question, discuss, explain and clarify their thinking in science. Our federation aims to give every child the opportunity to foster an enthusiasm for science, gain an understanding of its importance in caring for the world in which we live and interpret science to explain the world around them.

Implementation

Our science curriculum follows the progression of knowledge and skills set out in the National Curriculum using White Rose Science as our scheme. As we have mixed year groups, we use a Year A and Year B format whereby we follow an individual year group of White Rose Science each year. White Rose Science lessons are designed to be 'hands-on, heads-on'. Scientific tasks are relevant and inspiring for children which is why we have practical ideas on every small step. Lessons begin with a retrieval flashback activity; where children have an opportunity to revisit previous learning.

Formative assessment is the main tool for assessing the impact of science, as it allows for misconceptions and gaps to be addressed more immediately. Formal assessments are used at the end of each topic to help identify gaps to be revisited during starter retrieval sessions. Key scientific vocabulary is displayed, modelled and used so that children understand and apply it readily in their spoken and written work.

Children learn the possibilities for careers in science, they will see the relevance of what they learn in science lessons to real-life situations and the importance of science in the real world within our 'Broadening Horizons' event in Upper Key Stage 2.

Impact

West Berry Federation scientists will experience an engaging and exciting hands-on approach to this subject. Our aim is to create enthusiastic scientists, who will develop a love of science work and an interest to further study and work in this field. Progress is measured through a child's ability to know more, remember more and explain more. They will be able to articulate their understanding of scientific concepts and be able to reason scientifically using rich vocabulary. Children will become increasingly independent in science; completing investigations, working collaboratively and practically.