

Science Curriculum Statement

Principles of Science

- We work practically to find out scientific information ourselves
- We learn new things and are able to question what we have found out.
- We go outside into the natural environment.
- We are engaged with our learning, as the learning experience is enjoyable.
- We can recall what we have learned and apply this knowledge to new learning.

At Ecton Village Primary Academy, we strive to inspire the minds of our children to be inquisitive about the world we live in. We aim to provide a broad range of opportunities within our Science Curriculum for children's natural curiosity of the world around them to be explored and developed. We do this through: working practically, allowing children to find out information for themselves; allowing children to ask questions, collect data and analyse their results; work in the natural environment and support each other with learning through working in groups to share ideas. Learning is engaging, to ensure that scientific knowledge and vocabulary is retained and children can build on this knowledge as they develop as young scientists through their time at Ecton Village Primary Academy.

We recognise that in a world that is ever increasingly dominated by Science and Technology, it is important for our children to have the scientific knowledge and inquiry skills needed to understand and thrive in the world they live in. Alongside our Science Curriculum, we offer children a chance to explore through a variety of practical themed STEM workshops. School trips further enthuse our learners, as they are able to see phenomena, which they would be unable to see within the primary classroom.

Intent

At Ecton Village Primary Academy, we strive to inspire a lifelong love of science for our children, where children are curious about natural phenomena in the world around them. Science has changed our lives and will play a vital part in the world's future prosperity. Teaching Science enables children to understand and question the world they live in and prepare them for future advances. Through our Science Curriculum, children's curiosity of the natural world is nurtured and children are taught skills to work scientifically to broaden their understanding of the world around them and continue to ask questions, research, investigate and use fair tests. Through the Science Curriculum, children are taught about specific areas, which are built and extended on as children progress through the school, along with scientific vocabulary linked to these units. We are committed to providing a stimulating, engaging and challenging learning environment for all of our children.

Implementation

At Ecton Village Primary Academy, we follow the Science units on the National Curriculum. Due to mixed year group classes, children are taught these units on a 2 year cycle. Through careful planning, children are given opportunities to work scientifically in most science lessons, building on skills and increasing their confidence using existing skills. Children are encouraged to question, predict, observe, record results, draw conclusions and evaluate when they are working scientifically within



lessons. Where appropriate, children go outside for hands on science learning in the school environment. Children's learning of vocabulary is supported through end of unit quizzes to ensure knowledge can be recalled. Our science Curriculum is enriched by regular STEM afternoon and trips.

Impact

Our Science Curriculum is carefully planned so that there is clear progression in both knowledge and skills as children grow through our school. We aim to have an increasing number of children leave us having achieved age related expectations in science. Furthermore, we aspire for our children to leave our school with the skills to work scientifically. Children will have the confidence to ask questions about the world they live in and are enthusiastic about working independently to investigate things around them and have the skills to do this through questioning, research and testing, recording, observing and evaluating.