



What Science looks like at Roxton CE Academy

Intent	What we are aiming for in Science: At Roxton, we want our learners to be curious about their environment. Our intent is to give every child a broad and balanced Science curriculum which enables them to confidently explore and discover what is around them, so that they have a deeper understanding of the world we live in. They will show this by asking questions and being able to explore their questioning through hands on experiences which builds on their prior knowledge and increasing independence. A great many of the science sessions are practical experiences with connections being made between their understanding and what is observed. We want to equip our children with not only the minimum statutory requirements of the science National Curriculum but to prepare them for the opportunities, responsibilities and experiences of later life. At Roxton, we have a coherently planned and sequenced curriculum which has been carefully designed and developed. Pupils will be motivated and given time to develop, practise and apply these skills in order to promote their understanding and positive attitudes to learning, further enabling them to increase their aspiration and future choices.
Implementation	What Science looks like in our school: Science is taught in key stage groups (KS1, LKS2 & UKS2) on a two-year rolling program, considering the mixed year groups and the coverage of the National Curriculum for science. The topic units, are well-planned and sequenced sessions that encourage questioning, practical experience and build on prior knowledge and understanding. Where possible, links to science are also made within other areas of the curriculum encouraging children to make connections to allow greater understanding. EYFS The Early Years Foundation Stage Curriculum supports children's understanding of Science through the planning and teaching of 'Understanding the World.' Children find out about objects, materials and living things using all their senses looking at similarities, differences, patterns and change. Both the environment and skilled practitioners foster curiosity and encourage explorative play, children are motivated to ask questions about why things happen and how things work. Our children are encouraged to use their natural environment around them to explore. Children enjoy spending time outdoors exploring mini-beasts and their habitats, observing the changing seasons, plants and animals.
Impact	What the results will be: • End of year teacher assessment shows progress and a good level of understanding. • Children are engaged and excited by their science learning and their experiences. • Children will have developed their questioning and reasoning skills through planning and carrying out practical investigations. • Resilience, debate, discussion and communication skills will be developed through collaborative work.