

Science at St Cuthbert's RC First School

Intent

At St Cuthbert's we strive to provide a high-quality Science education which provides our children with the foundations for understanding the world around them. It is our intention that pupils not only acquire the necessary knowledge but also scientific skills. We want our children to enjoy the experience of working scientifically and sustain their interest in learning Science. We aim to encourage our pupils to recognise the power of rational explanation and to develop a sense of excitement and curiosity. We envisage that our children understand how Science can be used to explain what is happening, predict how things will behave, and analyse causes. We strive to ensure that our pupils achieve well in Science and are frequently given the opportunity to conduct experimental investigations for themselves.



Implementation

At the core of our Science curriculum is the need to make the subject engaging, purposeful and exciting. Learning comprises of a broad variety of experiences; observation, discussion, scientific enquiry, first hand practical experiences and visits from scientific specialists. Lessons are built around assessment for learning and accurate evaluation. Effective differentiation and challenge ensure that children make good progress in the subject and are able to fulfil their potential. School trips are used to enhance science knowledge on a termly basis and give children exciting experiences. We believe this creates long lasting memories and provides powerful learning. Early Years, KS1 and KS2 work closely together to ensure that each area of Science is covered and that children are prepared to go to middle school with the basic scientific skills.

Impact

At St Cuthbert's we want all our children to embrace Science and to enjoy learning. It is our aim to encourage our children to develop a passion which they can build on throughout their education, and beyond. At St Cuthbert's we cover all the programmes of study from the National Curriculum. As children progress through school, we build on prior learning and fully utilise any cross curricular links. Topics are sequenced throughout the year to build these cross curricular links as well as teaching topics at an appropriate time of the year. E.g The topic plants will be taught in Summer. Assessment for learning is carried out throughout lessons during live marking and children are tracked on SIMS after each topic has ended.

