



Science

Intent

At Wheatcroft Primary School our intent is to have pupils develop a lifelong curiosity and interest in the sciences. When planning the curriculum, we intend for the children to learn in a variety of ways, where possible, through varied systematic investigations, leading to them being equipped for life to ask and answer scientific questions about the world around them. As children progress through the primary years, they build on working scientifically skills, as well as on their scientific knowledge, as they develop greater independence in planning and carrying out fair and comparative tests to answer a range of scientific questions. We want Wheatcroft children to be equipped with a broad scientific vocabulary that is progressive throughout the school.

Implementation

At Wheatcroft Primary School our Science curriculum is designed to be accessible so that every child can make good progress. We believe that learning creatively and in a wide range of contexts leads to informed and inquisitive science learners. Within KS1 and KS2 Science is taught weekly. It is taught and planned according to the year group requirements of the National Curriculum. This is then developed alongside our progression of skills document to enable the accumulation of knowledge and allows progress in repeated topics through the years. Alongside subject knowledge, the curriculum takes an enquiry based approach with 'Working Scientifically' throughout. These skills are weaved into lessons, and are included within the aims of the lesson to make children aware of the knowledge and skills they are developing each week. EYFS entwines science around their 'understanding of the world'. Science is delivered through the children's opportunities in learning through play and adult-led sessions. The National Curriculum topics are taught across the 2-year rolling programme and have been carefully selected to ensure breadth and depth are covered within the curriculum and meet the needs of pupils. The children also benefit from our forest school which allows for applicable topics to be taught outside or within our forest school area. We also celebrate Science Week each year, with a wide range of activities, based outside of the normal curriculum, opening them up to learning about different scientists and skills.

Impact

When children leave Wheatcroft Primary School, after their scientific journey from Nursery to Year 6, they will have developed their confidence in understanding the scientific world and carrying out investigations. We encourage pupils to enjoy and value the science curriculum we deliver. Asking the 'why?' behind the learning is equally important as the 'how?' and this is something we endeavour to implement consistently. The learners will discuss, reflect and appreciate the impact that science has on them, their community and the world around them. The way in which we aim to deliver our science curriculum will support the children and increase in the profile of science. The learning environment across the school will be more consistent with science technical vocabulary displayed, spoken and used by all learners. Children who feel confident in their science 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 and also the importance of science in the real world.