



East Ravendale CE Primary

Science Intent Statement

Intent

Our aim at East Ravendale is for all children to have a good understanding of the scientific world by acquiring specific skills and knowledge to help them think scientifically. Our aim is for children to aspire to use these skills not just at the present but in the future. Children are aware of possible careers in science related to different topics.

Throughout the programme of study, the children will acquire and develop the key knowledge identified for that year group. Working scientifically skills are embedded into each topic taught and are developed as a child progresses through the school. Some topics from KS1 are revisited in KS2, which allows the children to build upon their knowledge and skills already held.

All children are encouraged to develop and use a range of skills including observations, planning and investigating to enable them to learn through first hand experiences which embeds concepts and knowledge taught in a memorable way. Children question and evaluate what is happening in the world around them and why this may be. This develops the children into independent active learners in exploring a variety of their own scientific questions.

Implementation

Science is taught weekly and discreetly to children in KS1 and KS2 through engaging, exciting and enthusing lessons and throughout continuous provision and outdoor learning within the Early Years. Alongside this, Science is embraced across the whole school during STEM days and British Science Week at periods throughout the year. Teachers demonstrate how to use scientific equipment and a variety of working scientifically skills to embed scientific understanding. The children from EYFS-UKS2 take part in TAPS Assessment for each topic in order to demonstrate their understanding of their learning and working scientifically skills. Science is taught in blocks following the Long Term plan to assure coverage across the school. Children within KS1 and KS2 know what area of science (Biology, Chemistry and Physics) they are learning about, it is displayed within the classroom and on their unit covers. Teachers build upon learning and skill development of the previous years and therefore as the children's knowledge improves so does their ability in problem solving, using scientific equipment, collating and interpreting results. There is an abundance of cross-curricular opportunities within Science so the children can use skills such as statistics in different contexts.

Impact

Through the successful implementation of science at East Ravendale School a fun, engaging and excellent quality science education is provided for all children. This provides the children with a good understanding of the scientific world around them. The use of first hand experiences ensures remarkable engagement with the subject. Children are enthusiastic about Science and have a longing to engage with the subject in the present and in the future.