

Churchfield C.E. Primary Academy

Walking together in the light of the Lord, we aim to create a supportive and safe environment where we encourage each other to be the best we can be. At Churchfield we learn to take pride in our successes and aspire to make a positive difference for ourselves, the local community, and the wider world.



Science

Intent

Science at Churchfield C.E. Primary Academy encourages children to develop a questioning and inquisitive mind. They develop deep understanding of the world around them, the impact they have on the environment and the importance of influences on our own personal lives. Our children are encouraged to be inquisitive, ask questions and use a range of resources to research, investigate and explore the potential answers. Children will gain a life-long interest in Science.

Children are encouraged to become independent and responsible learners, developing their investigative skills through practical enquires in a safe environment both in the classroom and outside. We encourage children to explore their own ideas within each curriculum area and within Science to investigate and evaluate their own questions. Child generated questions at the start of a Science topic supports the direction of teaching. We believe that this provides children with a deeper understanding of the key concepts and allows opportunities to correct misconceptions.

Implementation

A clear and comprehensive long-term and medium-term plan, using planning from commercially available sources is in line with the National Curriculum. Teaching and learning should show progression across all key stages from EYFS within the strands of Science.

Children have access to key language and meanings on our science working walls in order to understand and readily apply to their written, mathematical and verbal communication of their skills.

Children will use a range of resources to develop their knowledge and understanding that is integral to their learning and develop their understanding of working scientifically.

Teaching and learning plans for practical investigative opportunities within Science lessons both within the classroom and through fieldwork.

Children will reflect on previous learning and cross-curricular links will be made wherever possible.

Children are able to build on prior knowledge and link ideas together, enabling them question and become enquiry-based learners.

Attainment is assessed each half term through teacher assessment of progress.

Where applicable links to Science will be made to children's interests and termly topics.

Impact

Children will have an engagement with and interest in Science.

Science will be accessible for children of all abilities and those with barriers to learning.

Children will retain knowledge that is pertinent to Science with a real-life context.

Children will be able to question ideas and reflect on knowledge.

Children will work collaboratively and practically to investigate and experiment.

Children will be able to explain the process they have taken and be able to reason scientifically.

The above will be shown through Pupil Voice, books, displays and assessment judgments made by class teachers and this will be monitored and collated by subject leaders