

Science



INTENT

Science at Dawley C of 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. A key focus of our curriculum offer is to encourage children to explore their own ideas within each curriculum area and within Science to investigate and evaluate their own questions. We believe that this provides children with a deeper understanding of the key concepts and allows opportunities correct misconceptions.

IMPLEMENTATION

- A clear and comprehensive long-term and medium-term planning in line with the National Curriculum where teaching and learning should show progression across all key stages within the strands of Science.
- Children have access to key language and meanings 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.
- 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 to question and become enquiry-based learners.
- Attainment is assessed each half term through related topic assessment tasks and 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 and interest within 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.