



A deliberate balance of skills and knowledge so children can enjoy their learning, develop their learning and aim high.



St Michael's C of E Primary School - Our Science Vision



Our Aims for pupils are:

Science learning at St Michael's aims to give all children a strong understanding of the world around them whilst acquiring specific skills and knowledge to help them to think scientifically, to gain an understanding of scientific processes and also an understanding of the uses and implications of Science, today and for the future.

Intent

At St Michael's we believe that a high quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science and design has changed and developed the modern world. Through positive learning experiences our pupils' will develop their natural curiosity for enquiring and testing leading to learners that are able to access future technology and environments.

Implementation

- In ensuring high standards of teaching and learning in science, we implement a curriculum that is progressive throughout the whole school. Strands of Science learning is revisited at greater depth and with greater expectation of using scientific technical language.
- Planning for science is a process in which all teachers are involved to ensure that the school gives full coverage of, 'The National Curriculum programmes of study for Science 2014' and, 'Understanding of the World' in the Early Years Foundation Stage.
- Teachers' access high quality resources tailored to their learners.
- Where possible, Science is linked to class topics such as Rocks and the Stone age. Science is also taught as discrete units and lessons where needed to ensure coverage.
- Teachers plan to suit their children's interests, current events, their own teaching style, the use of any support staff and the resources available.
- Outdoor curriculum opportunities, specialist educational visitors and Science in our locality is also embedded.

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We ensure that all children are provided with rich learning experiences that aim to:

- Prepare our children for life in an increasingly scientific and technological world today and in the future.
- Help our children acquire a growing understanding of the nature, processes and methods of scientific ideas.
- Help develop and extend our children's scientific concept of their world.
- Encourage open-mindedness, self-assessment, perseverance and developing the skills of investigation including: observing, measuring, predicting, hypothesising, experimenting, communicating, interpreting, explaining and evaluating.
- Develop the use of scientific language.
- Make links between science and other subjects.

Impact

The impact and measure of this is to ensure children not only acquire the appropriate age related knowledge linked to the science curriculum, but also skills which equip them to progress from their starting points, and within their everyday lives.

All children will have:

- A wider variety of skills linked to both scientific knowledge and understanding, and scientific enquiry/investigative skills.
- A richer vocabulary which will enable to articulate their understanding of taught concepts.
- High aspirations, which will see them through to further study, work and a successful adult life.