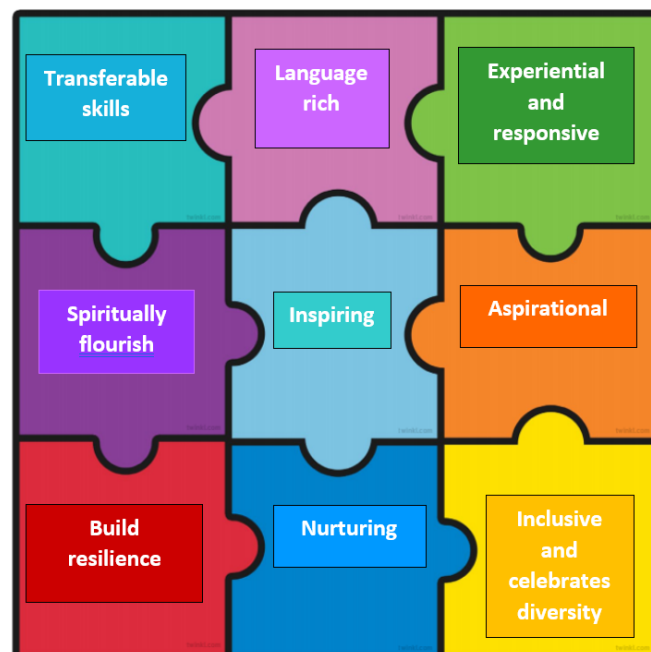


An Overview of the Science Curriculum at St Michael's



The Lord says, 'For I know the plans I have for you plans to give you hope and a future.'
Jeremiah 29 verse 11

At St. Michael's, Science is designed to nurture and build upon curiosity about the natural world through questioning. Our aim is to promote a 'can do' mind set in all learners to ensure that the curriculum is exciting, relevant and accessible to all regardless of ability or language acquisition. As a highly practical subject, we aim to create opportunities for our pupils to be curious and inquisitive to deepen and advance their knowledge. Emphasis is placed on developing the ability to problem solve through scientific questioning and enquiry. Pupils will learn to develop their own questions and scientific enquiries to answer questions using scientific language. This will build upon skills of independence and resilience in a safe and nurturing environment where pupils feel able to challenge or question their own learning as well as the teaching of others.



In Science lessons, there are planned opportunities for pupils to articulate their knowledge and understanding of scientific concepts. We aim to embrace the links between STEM subjects and offer inspiration for the future drawing on the achievements of famous science and scientific developments; pupils learn how Science has changed our world and lives and how it will continue to do so. Pupils will learn that success comes from hard work, determination, resilience and self-belief that they are capable of anything.

Learning is progressive and delivered through a combination of topic based learning and discrete subject learning following the National Curriculum. Real life scenarios are used to make it purposeful and engaging with working scientifically at the heart of teaching and learning. The progression of learning ensures that we deliver the acquisition of skills and knowledge in a way that shows clear progression from year to year. Lessons are enhanced by memorable experiences and wider opportunities, which inspire children of all abilities such as Forest Schools and British Science Week as well as the opportunity to engage in gardening.

We measure the impact of curriculum through assessment for learning opportunities, pupil voice, data analysis and leaning observations. Through these forms of continuous and robust assessment, the particular talents, gifts, interests and curiosity of individuals are identified and nurtured to ensure personal ambitions are fostered and encouraged. As a result, we aim for pupils to be confident, articulate and motivated by their learning, and are keen to share their knowledge.

Pupils attain well, make outstanding progress from their starting points. They aspire to be the best they can be. We know we have succeeded when pupils leave year 6 fully prepared for the next stage of their learning journey.