



Our Vision for Science

“In Science, we can inspire something every discovery, however small, is a permanent gain.” – Pierre Curie

At Gotham Primary School, we value the opportunities that Science presents.

Our Scientific area of learning is concerned with increasing pupils' knowledge and understanding of our world, and by developing skills associated with Science as a process of enquiry. It will develop the natural curiosity of the child, encourage respect for living organisms, the physical environment and provide opportunities for critical evaluation of evidence.

The breadth of our curriculum has been designed to ensure that every child can experience science in its fullness by covering a wide range of skills and knowledge. In conjunction with the National Curriculum, our Science offers opportunities for children at Gotham to develop scientific knowledge and conceptual understanding, develop understanding of the world around them through scientific enquiry, equip them with scientific knowledge and use a range of methods to communicate their ideas and findings, e.g. graphs, charts, tables and diagrams.

At Gotham, we aim to nurture enthusiasm and enjoyment of scientific learning and discovery. **“Rockets are cool! There's no getting around that!” (Elon Musk)**. We aim to create a positive attitude to science learning by using the environment around us and motivating children to become independent scientific thinkers. Our aim is to provide fun and engaging science lessons that build resilience, extend children's thinking and use the wider environment to support learning. So much of science lends itself to outdoor learning and so we provide the opportunities for children to access a wide range of experiences and events.

Our Science progression is taken from the National Curriculum and begins with a key concept or question. The scheme provides opportunities for children to build on prior knowledge and life skills as they progress through the school through recapping, building on key vocabulary and allowing them to develop their skills base further. We believe that pupils must firstly understand the key concept, be provided with opportunities to apply their knowledge and then be able to answer the key question.

Our approach to the teaching of science reflects our school culture , one of metacognition and self-regulation. Through well planned sequences of lessons and learning experiences we want our children to gain an understanding that science has changed our lives and that it is vital to the world's future prosperity.

Being the best we can be together!

Our mission Statement

National curriculum

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