

Everybody Prepared and Inspired to be the Best we can be.
Excellent Relationships.
Excellent Classrooms.
Hearts in Billingham and Eyes on the World.



Science Vision

At Billingham South Community Primary School, our vision is to provide a science curriculum which enables pupils to explore and discover the world around them, so that they have a deeper understanding of the world we live in. We do this through exciting, practical, hands on experiences, which encourage curiosity and foster learning. Through the teaching of science, we incorporate the five areas from our whole school values: *Resilience, Quality, Courage, Trust and Happiness.*

Young children are naturally curious and passionate about learning. At Billingham South, we provide a stimulating EYFS curriculum that nurtures children's natural curiosity and their on-going knowledge and understanding of the world around them. Children in KS1 have access to Science through Forest Schools too, which enables children to have hands-on, enquiry-based activities; children experience the joy of learning 'how' and 'why'. We seek to promote trust, quality and resilience to further develop their enquiring minds, so they eventually become *independent* learners.

STEM is integral to our delivery of the curriculum and is interwoven with our topics. For example, in year 5, the autumn term topic is 'The Ancient Egyptians', in which children will mummify a tomato, observing and discussing the mummification process. Real-life examples are a fundamental part of our approach and members of the community are regularly invited in to share their experience and expertise. Workshops often have a STEM focus and give pupils the opportunity to explore science in a cross-curricular manner. We encourage pupils to have the courage to ask questions and not to be afraid of getting it wrong, but instead viewing it as an opportunity to learn.

At Billingham South, we have a whole school ethos of respecting both the immediate and wider environment and community. We encourage the children to be *responsible* and recognise how lucky we are to have our school grounds to be used as a resource. Through growing fruit and flowering plants in our school organic garden and quads, children are able to observe changes over time, explore and answer questions about plants growing in their habitat, observe the growth of flowers and vegetables that they have planted, become familiar with common names of flowers etc. Through our links with Teesmouth Field Centre, we are able to provide workshops for both key stages held on the school grounds. Children are able to sort and classify, compare the differences between things that are living, dead, and things that have never been alive, describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food etc. We have links with Northfield Academy, local industry such as Johnson Matthey, Fuji and Tomlinson Hall, which have all enriched children's learning in different ways such as, building their knowledge, understanding and vocabulary, funding resources and Science educational visits, school visits to their workplace (differentiated workshops organised) and speakers visiting our school etc. By providing these opportunities, we ensure that our children are motivated, confident, life-long learners who will continue to explore the world around them, way beyond their time at primary school.



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Our aim is that the stimulating and challenging experiences help children secure and extend their scientific knowledge and vocabulary. We believe that these opportunities will ensure that our children are confident, life-long learners who will explore the world around them.

