

Richmond Hill Primary School

## SUBJECT INTENT – SCIENCE

At Richmond Hill Primary School we recognise the importance of Science in every aspect of daily life. As one of the core subjects taught in Primary Schools, we give the teaching and learning of Science the prominence it requires. The Scientific area of learning is concerned with increasing pupils' knowledge and understanding of our world, and with developing skills associated with Science as a process of enquiry. It will develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities for critical evaluation of evidence.

### Curriculum Drivers

Our values  
Language and oracy  
Our place in the world  
Inspirations and aspirations

*'Children are at the heart of everything we do'*

Intent	Implementation	Impact
<p>Intention 1: To ensure a high standard of teaching and learning to build a science curriculum which develops scientific knowledge and conceptual understanding</p>	<p>Clear and comprehensive scheme of work in line with the National Curriculum. <i>Teaching and Learning should show progression across all key stages within the strands of Science.</i> 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 access resources to acquire learning through Science equipment, digital technology, and practical experiences</p>	<p>Children will achieve age related expectations in Science at the end of their cohort year. Children will retain knowledge that is pertinent to Science with a real life context.</p>

<p>Intention 2: To build a science curriculum which enables children to become enquiry-based learners.</p>	<p>Clear and comprehensive scheme of work in line with the National Curriculum. <i>Teaching and Learning should plan for practical investigative opportunities within Science lessons termly, including STEM activities half termly for KS2 and termly for KS1</i></p> <p>Children will be able to build on prior knowledge and link ideas together, enabling them to question and become enquiry based learners.</p> <p>Educational Visits. <i>Where applicable links to Science will be made to develop the children's topical learning.</i></p> <p>Forest School Link. <i>Early Years to engage in Forest School sessions once a week.</i></p> <p>British Values and PSHE. <i>Children will learn and revisit the importance of our world and how it should be treated.</i></p>	<p>Children will achieve age related expectations in Science at the end of their cohort year.</p> <p>Children will retain knowledge that is pertinent to Science with a real life context.</p> <p>Children will be able to question ideas and reflect on knowledge.</p> <p>Children will work collaboratively and practically to investigate and experiment.</p> <p>Children will be able to explain the process they have taken and why.</p>
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