



## Sequencing and Progression Subject:

### Science

CURRICULUM INTENT	'At Long Mead Community Primary School we aspire to be outstanding with a curriculum that enables every child to achieve their best academically and socially. Every child is given the best opportunities to be the best version of themselves.
SCIENCE INTENT	<p>At Long Mead we provide a high-quality science education providing the foundations for understanding the world through the specific disciplines of biology, chemistry and physics.</p> <p>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.</p> <p>Children are encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyze causes.</p>
Scheme/planning used and reason for use:	All teachers (Y1-6) are to follow the Kent scheme of work to base their medium term and weekly plans on. This follows the National Curriculum to ensure coverage, as well as ensuring the children are engaged and enjoying their learning. The scheme clearly indicates the aspects of knowledge that they will be developing, as well as the progression in key scientific concepts. Within EYFS we follow the development matters document and use our skills progression document to ensure the progression of skills are clearly seen. The teachers within EYFS will also follow the children's learning and develop their understanding further through play.
Adaptions made to scheme, including within classrooms and reasons for this:	All children will take part in Science lessons. Adaptations will be made to ensure all children can access the learning within their year group – this is through the pillars of excellence. (Modelling, scaffolding, feedback, questioning and differentiation) Adaptations to the scheme may also be made dependent on the class and their needs/particular learning styles. All KS2 children will be taught in individual year groups. KS1 children will be taught mixed.
Day to day practice: (Frequency, what will be seen within lessons, pillars of excellence)	<p>Science will be taught throughout the school on weekly basis. Scientific skills and knowledge are revisited each lesson based on prior learning and through knowledge mats. These knowledge mats will also be used to support the development of vocabulary and key concepts. Revision lessons also take place at the start of each new topic to revisit concepts from previous years.</p> <p>The use of the science lab/outside area will be used to support the teaching of science and ensure that the children are engaged, enthused and challenged. To ensure this takes place lessons are well planned and teachers are secure in subject knowledge. At the end of each term children are to go back to their knowledge mats/vocabulary sheets and highlight in green the vocabulary they are confident with, teachers can then plan for any vocabulary that is still an issue.</p>

<p>How we will be developing long term memory within this subject: (Knowledge acquisition and vocabulary)</p>	<p>Within Science all children have a knowledge mat at the front of each unit of work. Key vocabulary is established in the first lesson of each topic and then referred and developed in each lesson. A homework 'menu' is also designed linked to the children's topic to consolidate learning and promote this within the family.</p>
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<p>How we will be ensuring and promoting cultural capital</p>	<p>All children are involved within all of aspects of the Science curriculum from EYFS to year 6.</p> <p>Trips and visits are also organised to promote this, as well as having strong links with Hugh Christie School.</p> <p>Through using the progression document, the Kent scheme and the use of our outside environment/local area awe and wonder is also promoted through active and engaging lessons.</p>
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