

Intent	<p><u>Aims:</u> A curriculum, based on National Curriculum, that introduces pupils to the essential knowledge that they need to be educated citizens. A high quality science education which provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. We aim to equip children with the knowledge required to use and implement Science today, tomorrow and for their futures. Pupils should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes. Children will develop their understanding of scientific ideas by using different types of scientific enquiry to answer their own questions, including observing changes over a period of time, noticing patterns, grouping and classifying things, carrying out simple comparative tests, and finding things out using secondary sources.</p> <p>Science lessons are carefully sequenced to ensure deeper learning at every stage and where appropriate are linked to learning in PSHE and SRE topics.</p>					<p><u>Values we promote:</u> Respect Tolerance Forgiveness Love</p>											
	<p><u>Skills and Knowledge:</u></p> <table border="0"> <tr> <td>Appreciation of God’s world</td> <td>Problem solving</td> <td>Observations</td> <td>Question</td> <td>Understanding of Scientific ideas</td> <td>Classifying</td> </tr> <tr> <td>Mental Health & Well-being</td> <td>Discuss</td> <td>Predicting</td> <td>Curiosity</td> <td>Hypothesising</td> <td></td> </tr> </table>						Appreciation of God’s world	Problem solving	Observations	Question	Understanding of Scientific ideas	Classifying	Mental Health & Well-being	Discuss	Predicting	Curiosity	Hypothesising
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Implementation	<p><u>Approaches to learning:</u> Deeper understanding Extension activities Consolidation activities Pre-teaching Instant/verbal feedback Promote a love of learning Enrichment activities linked cross curricular learning Consistently high standard of behaviour Inclusion for all</p>					<p><u>Specialist Roles:</u> Science subject lead Health and safety Trust committee group</p>											
	<p><u>Clubs:</u> SEEDS Eco-Warriors and gardening club</p>																
	<p><u>Needs of pupils:</u> ASD, social communication needs, SPDL, ADHD, elective mutism, behaviour needs, sensory needs</p>																
	<p><u>Enrichment:</u> Enrichment days— Science workshops, Farm workshops, SRE, PSHE, CAFOD—climate change, Respect, Recycling, ECO-warriors</p>			<p><u>Community Links:</u> improving local environment, visitors</p>													
	<p><u>Educational Visits:</u> Willow Farm Affinity Water National Gallery Science Museum Lego Land Warner Bros. Studio Tour PGL Theatre visits Gulliver’s Land Metro Bank</p>																
Impact	<p><u>Standards:</u> The majority of children make expected or better progress towards their targets, which are set according to their baselines on entry.</p>		<p><u>Wellbeing:</u> Children enjoy learning and coming to school. Their mental health and wellbeing are monitored closely. Support is put in place for those in need.</p>		<p><u>Personal Development:</u> Children live Gospel values in their learning and behaviour in and around school. They make the right choices for their safety.</p>												
	Target Tracker	Pupil Progress Meetings	Subject data	Self assessment	Pupil survey and walks	Wellbeing survey											
	Learning Walks	Book scrutiny	Lesson observations	Parent survey	Staff/pupil discussions	CPOMS evidence											