

Science Action Plan 2025/2026

Objective 1:	Actions:	Success Criteria:	Links and comments:
<p>Curriculum Planning:</p> <p>Ensure a progressive, coherent, and inclusive Science curriculum that meets the requirements of the National Curriculum and supports all learners.</p> <p>Midfield</p>	<ul style="list-style-type: none"> • Audit Trust plans against National Curriculum objectives for each key stage. • Map long-term, medium-term, and short-term planning to ensure progression in knowledge and skills (especially Working Scientifically). • Integrate cross-curricular links (e.g. Maths for data handling, English for report writing). • Embed opportunities for practical Science in all units. • Ensure that our curriculum reflects a 	<ul style="list-style-type: none"> • Curriculum maps show progression in knowledge and Scientific enquiry. • Increased pupil engagement and improved outcomes in end-of-unit assessments and at the end of KS2. • Teachers feel confident delivering the full Science curriculum. • Current plans are audited based on teacher feedback - Autumn 1 	

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	diverse range of scientists and global challenges such as sustainability, climate change.		
Objective 2:	Actions:	Success Criteria:	Links and comments:
<p>Assessment: Formative and Summative</p> <p>Objective: Use effective assessment strategies to inform teaching, track progress, and identify gaps.</p> <p>St Mary Cray</p>	<ul style="list-style-type: none"> • Embed regular low-stakes quizzes and retrieval activities. • Use targeted questioning and mini-plenaries during lessons (AfL). • Use diagnostic tools (e.g. concept cartoons, word mats) to uncover misconceptions. • Develop end-of-topic assessment questions to inform planning and intervention. • Track progress using Arbor for KS2, including working Scientifically skills. 	<ul style="list-style-type: none"> • Assessment informs planning and differentiation. • Clear evidence of progress over time in books and Arbor data tracking. • Pupil voice shows increased understanding and enjoyment of Science learning. • Crib sheet offered for KS 2 staff - Autumn 1 	

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Objective 3:	Actions:	Success Criteria:	Links and comments:
<p>Working Scientifically</p> <p>Embed Scientific Enquiry skills across all year groups and topics.</p> <p>Leesons</p>	<ul style="list-style-type: none"> Plan opportunities for pupils to complete full investigations or comparative tests. Use 'Science Working Walls and crib sheets' to display key vocabulary, questions, and methods. Promote the use of data handling (e.g. bar charts in KS1, line graphs in KS2). Ensure that Knowledge Organisers note the Scientific Enquiry elements in the topic. 	<ul style="list-style-type: none"> Pupils confidently use Scientific vocabulary and methods. Science books show evidence of a range of enquiry types. Teachers report increased pupil independence in investigations. Arbor assessment point demonstrates a developed understanding of Working Scientifically. Embed use of Science ambassadors - Autumn 1 	
Objective 4:	Actions:	Success Criteria:	Links and comments:
<p>Trips and Experiences</p>	<ul style="list-style-type: none"> Plan at least one Science trip per year group (e.g. nature 	<ul style="list-style-type: none"> All pupils participate in at least one Science-related 	

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<p>Enrich the Science curriculum through real-life experiences and external engagement.</p> <p>Elmstead Wood</p>	<p>reserves, science museums, farms).</p> <ul style="list-style-type: none"> • Organise Science workshops/fayres or visits from STEM ambassadors. • Celebrate British Science Week with themed investigations, assemblies, and parent involvement. • Develop links with local secondary schools, universities, or businesses for outreach opportunities 	<p>trip/experience per year.</p> <ul style="list-style-type: none"> • Pupil voice suggests that they can make real-world connections to their science learning. • Feedback from pupils and staff shows increased engagement and enthusiasm. • Support staff to book a Science trip this academic year - Autumn 1 	
Objective 5:	Actions:	Success Criteria:	Links and comments:
<p>Professional Development for Staff</p> <p>Improve subject knowledge and confidence among all staff delivering Science.</p>	<ul style="list-style-type: none"> • Audit staff confidence and CPD needs annually. • Schedule staff meetings or INSET focused on key Science areas 	<ul style="list-style-type: none"> • Increased staff confidence as measured through surveys or audits. • Improved quality of Science teaching observed through 	

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Hayes	<ul style="list-style-type: none">• Promote free, high-quality CPD (e.g. STEM Learning, Primary Science Teaching Trust, Explorify).• Support non-specialist teachers• Encourage attendance at Science subject leader networks.	learning walks and book looks. <ul style="list-style-type: none">• Greater consistency in assessment and delivery across classes.• Book relevant CPD - Autumn 1	
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