



Science on a Page



At Newton Primary School, our science curriculum, supported by Developing Experts, is designed to spark curiosity and deepen understanding of the world around us. Through high-quality teaching, rich vocabulary and enquiry-based learning, children build secure, sticky knowledge and learning experiences that stay with them throughout their learning journey.

Planning We follow a set of core principles to ensure every child receives an excellent Science education: ◆ High-Quality Planning • Teachers have access to high-quality resources, including Developing Experts, to support full curriculum coverage. • Lessons are adapted to meet the needs of individual classes. • Sticky knowledge is carefully identified to ensure essential learning is taught, revisited and remembered. • Practical activities are planned where possible	What do our lessons look like? 🧠 Retrieval & Revisit • Answer retrieval questions to revisit prior learning • Respond to the enquiry question/WALT 🔍 Explore & Explain • Record observations, ideas and new learning • Use key vocabulary in written responses • Show understanding of the enquiry type/WS skill ➡ Apply & Reflect • Complete tasks to apply and extend knowledge • Respond to feedback and reflect on learning
What should our Science books look like? Children's books tell the story of their learning journey, including: Knowledge organiser at the start of each new unit (not necessarily at the start of every new term) • The date and enquiry question at the top of each lesson. • Retrieval questions (KS2). • A variety of adaptive learning tasks. • Seesaw sticker for any work put onto Seesaw	What will you see on our Working Walls? A current knowledge organiser to support understanding and retrieval. • Rocket Words from the previous lesson to revisit key vocabulary. • An enquiry types and Working Scientifically (WS) skills poster, so children know which skill they are using each lesson. • Relevant supporting materials such as diagrams, photographs and examples of work.
Assessment: Questioning throughout the lesson • Quizzes in Pupil Zone on DE • End of unit assessment • Ongoing teacher assessment of the WS skills and enquiry type in the lesson (skills being assessed can be found on the WALT)	How does Science look in Early Years? In EYFS, science is delivered through Understanding the World, with Developing Experts used to support and enhance learning through talk, vocabulary and enquiry. What You'll See: • High-quality adult interactions, modelling language and thinking like a scientist • A strong focus on vocabulary (early Rocket Words) through stories, play and discussion • Practical exploration – children investigating materials, plants, animals and seasonal change • Adults introducing simple enquiry questions to spark curiosity

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| | <ul style="list-style-type: none">• Use of photos, discussion and floor books (Seesaw) to capture learning• An environment that encourages exploration, questioning and discovery |
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All children will succeed through our small steps approach:

1. Share and Explicitly Teach Key Rocket Vocabulary
2. Revisit 'Sticky Knowledge' Throughout the Topic
3. Adapt the learning using the 5 -a-day strategies.
4. Mixed ability talk partners used regularly to support discussion and thinking
5. Word mats and prompts to support understanding
6. Clearly presented resources to support accessibility for all learners
7. Increased visual aids and use of tactile resources

