



# Unlock Your Potential with Science at St Paul's Way

*Inspiring curiosity, shaping the future*

At St Paul's Way, we believe in providing an inspiring, challenging and enabling science education to students from Key Stage 3 to 5.

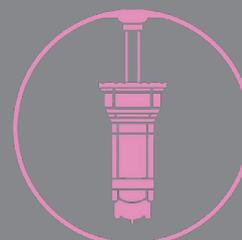
We want all students to acquire the knowledge and skills to interact with the outside world from a scientific perspective. To achieve this, our curriculum is built around foundational concepts with increasing complexity, offering routes into high-end learning, wider world connections and inclusive representation.

We ensure equity of experience is provided to every student so everyone can fulfil potential in every lesson, and are supported to achieve this through continuous professional development that allows us to evolve as educators and provide the highest quality of learning.

If you also have a passion for science and want to inspire the thinkers, problem-solvers and innovators of today and tomorrow, then apply to become a part of our community. In doing so you will join a school that is passionate about curiosity, creativity and nurtures growth.

## *Our Science Vision*

*To nurture scientific thinkers who will become leaders in solving the world's most pressing challenges.*



# Our Approach to Teaching

"Our teaching methods are designed to build resilience and independence in learners, ensuring they can think critically and engage with the world scientifically."

Our science programme is designed to encourage building from simple to more complicated ideas. Our students go through a process that enables them to be solidly grounded in basic principles of science. They will also be well-equipped with an understanding of how their learning should be applied to the real world in practice. Each step through our programme is designed to be inclusive with high-quality learning.

## Our Teaching Methods

### Effective Pedagogy for Every Learner

Our approach to teaching science is research-led, ensuring that every lesson is designed to maximise learning and student engagement.



Our strategies include:

#### Do Now Interleaved Retrieval Practice

Each lesson begins with a structured retrieval activity that strengthens prior knowledge and prepares students for the new content ahead.



#### Dual Coding & Explanation

Complex scientific concepts are explained using visuals alongside teacher narration, reducing cognitive overload and enhancing comprehension.



#### The 'I Do, We Do, You Do' Model

A scaffolded approach to problem-solving where students gradually take on more responsibility.



#### Mastery Booklets

Reinforcing key concepts through spaced practice, vocabulary acquisition and low-stakes retrieval.



#### VEERY Method

Used across all classes, the VEERY method enhances problemsolving, especially in numerical contexts.



#### Formative Feedback

Embedded into each lesson, allowing us to identify and address gaps in understanding through reteaching and further practice.



#### Talk for Learning

Promoting high-level discussions through methods like Think-Pair-Share and probing questions to deepen understanding.

# Building Curiosity Beyond the Classroom

We have a wide enrichment programme at St Paul's Way to broaden and inspire our students' academic development.

Our partnerships with universities, outside providers, and subject networks not only enrich and deepen our curriculum but also provide personal and professional opportunities for staff and students alike.

## Key enrichment activities include:

- University Partnerships: Guest lectures, mentoring opportunities, and trips to universities
- STEM Fairs and Practical Projects: Hands-on learning experiences beyond the classroom
- Science Summer School with Professor Brian Cox: Cutting-edge science talks and workshops with leading scientists
- Super-Curricular Activities: Science clubs, trips, and projects that extend learning beyond the syllabus





"Our CPD opportunities empower teachers to lead, innovate and remain at the cutting edge of science education."

# Your Working Environment

## Professional Development for Staff

Our commitment to growth extends to our teaching staff. We prioritise continuous professional development (CPD) by:

**Project Leadership:** Staff-led initiatives to improve curriculum sequencing and student engagement.

**Flourishing subject leadership:** Collaboration with external networks to improve teaching strategies and share best practice.

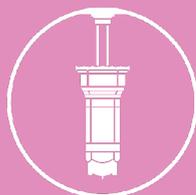
**Training and Conferences:** Frequent chances for participation and delivery of training in curriculum planning, pedagogy and assessment.

## A Supportive Science Community

At St Paul's Way, we value strength in teamwork, both in science and more broadly throughout the school as a whole. Our model of learning is community-based and encourages active listening, accountability for each other, and respect for everyone.

At every level, ranging from faculty meetings, standardisation discussions to collaborative projects, everybody is heard and encouraged in their ongoing professional learning.

We take learning outside of the confines of the schoolroom and draw in parents and the broader community to be part of learning. Whether through science night events or opening classrooms and inviting parents to join hands-on activities, we ensure their learning is a shared experience.



**St Paul's Way**  
Aspiration • Integrity • Community  
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A transformational education