



Staining Church of England Primary School

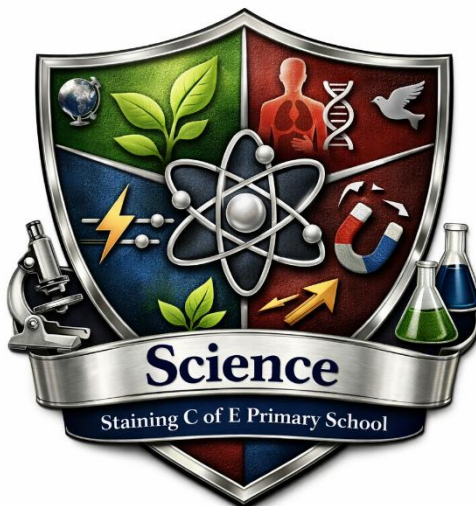
Vision for Science

Our School Drivers: Explore the World • Thrive in Life • Make a Difference

At Staining Church of England Primary School, we aim to provide a high-quality science education that nurtures curiosity, deepens understanding and inspires children to explore the world God created. Through a rich and ambitious curriculum, pupils develop secure scientific knowledge, strong enquiry skills and the confidence to think critically about the world around them.

Rooted in our school values – **Aim High, Be Kind, Show Respect, Work Hard and Teamwork** – we foster an inclusive environment where children persevere, support one another and take pride in their scientific thinking. We celebrate mistakes as opportunities for growth and encourage pupils to see science as a meaningful way of understanding life, nature and the universe.

Science at Staining is not just a subject; it is a way of **learning to wonder, growing in wisdom and shining like stars**. Through our teaching, we help children recognise how science connects to everyday life, future careers and the wider world, empowering them to become thoughtful, engaged and responsible citizens.





How We Learn to Wonder in Science (Intent)

At Staining, we believe science should spark awe, curiosity and excitement. Our curriculum is designed to help children explore, question and discover, developing a lifelong interest in the natural world.

Through our science curriculum, pupils:

- Secure scientific knowledge
- Enjoy science and develop confidence
- Investigate practically
- Think scientifically
- Understand science in everyday life
- Make healthy choices
- Work scientifically
- Measure accurately

How Our Drivers Shape Science

- **Explore the World** – Pupils investigate the natural world with curiosity, awe and excitement.
- **Thrive in Life** – Children build secure knowledge, develop enquiry skills and learn to think critically.
- **Make a Difference** – Pupils communicate clearly, show resilience and use science to understand and improve the world around them.

How We Grow in Wisdom in Science (Implementation)

Science is taught every half term across the school, following a clear and progressive structure that ensures consistency and high-quality learning.



Curriculum Structure

- Weekly science teaching in KS1 & KS2
- EYFS science through *Understanding the World*
- Full alignment with the National Curriculum

Planning and Progression

Our medium-term plans ensure:

- Statutory coverage
- Knowledge progression
- Enquiry skill development
- Vocabulary consistency
- Revisiting learning

Teaching and Learning

Teachers provide:

- Practical enquiry
- Scientific processes
- Language modelling
- Retrieval practice
- Effective feedback
- Balanced pedagogy

How We Shine Like Stars in Science (Impact)

The impact of our science curriculum is seen in pupils' knowledge, confidence and ability to apply their learning.

Assessment

- Ongoing assessment
- Mid-topic hinge tasks
- End-of-topic assessments



- Addressing gaps

What Success Looks Like:

Pupils will:

- Know more, remember more, do more
- Use scientific vocabulary confidently
- Apply enquiry skills independently
- Talk confidently about their learning
- Show resilience and pride

Cross-Curricular Links

Science learning is strengthened through:

- English
- Maths
- Computing
- Outdoor learning
- RE & PSHE

Resources

We use a range of concrete, pictorial and abstract resources to support scientific understanding, including topic boxes, library books and EYFS materials.

Role of the Subject Leader

The Science Subject Leader is responsible for:

- Monitoring teaching
- Reviewing work
- Supporting staff
- Staying informed
- Strategic direction



- Maintaining science as a strength