



Subject intent: Our unapologetically ambitious science curriculum ensures all children are taught essential aspects of the knowledge, vocabulary, methods, processes and uses of science; are encouraged to recognise the power of rational explanation, predict how things will behave, analyse causes, develop an excitement and curiosity about natural phenomena and are equipped with the scientific knowledge required to understand the uses and implications of science today and for the future.

If you were to walk into a Science lesson at Esher Church School you would see: children fully engaged in learning with clear and concise learning objectives. All children setting their work out on a double page. On one side there will be a knowledge note for that lesson that will include all of the key facts for that lesson. Children will refer to it during their learning. Base slides are used showing the sequence of learning: connect, explain, example, attempt, apply, challenge. You might also see children working on practical investigations using a range of different resources depending on their line of enquiry.

Successes in 2024-2025

- Implementation of CUSP Science curriculum- ensuring a common approach and making progression clear.
- Thorpe Park STEM trip – introduced children to areas of STEM they had never considered.
- British Science Week 2025 – following this year's British Science Week theme, 'Change and Adapt', the live NFU lessons taught and followed by every class explored how animals and crops have adapted to thrive in their environments and how farmers are using innovation to meet the challenges of a changing climate.
- Completion of SEND curriculum project with a partial focus on science.

Pupil Premium, British Values, challenge and SEND (implementation)

- British Values: democracy - encouraging children to take the views and opinions of others into account. Rule of law- understanding need for safety. 'Mutual Respect'- working as a team, discussing findings and offering support and advice to others.
- Following on from CPD – adaptations to curriculum to support SEND within science are being introduced.

Priorities for 2025-2026

- Continue to refine our approach to assessment in science – maximising opportunities for recording of attainment and progress from year to year in line with our new curriculum.
- Promote and celebrate British Science Week as a whole school community.
- Build an ambitious selection of science resources to further support the ambitious curriculum.
- Continue to support enabling all pupils to access Science curriculum independently.

Parental engagement (implementation)

- Parents are invited into school for class collective worship which includes celebration of science learning.
- Half termly open afternoons for parents and children to share their learning.

Monitoring, observation and validation, including pupil voice considering progression (impact)

- Pupil voice shows that children are enthusiastic about science.
- Pupil voice shows children enjoy linking science learning to everyday life.
- Scientific language is becoming more embedded within learning.
- Implementing 'Strong Start' lessons at the beginning of some units is supporting the building of key scientific investigatory skills.

Professional development opportunities

- SEND curriculum project undertaken by two members of staff.
- Staff meeting (Summer) – SEND in Curriculum.
- Feedback to other schools on impact in Science in regards to the SEND curriculum project.