SCIENCE CURRICULUM

Biology • chemistry • physics • working scientifically

OUR INTENT Children build secure scientific knowledge and learn to investigate questions, analyse evidence and explain the natural and material world.

CURRICULUM STRANDS Plants and living things • animals including humans • habitats and evolution • materials and states • forces, light, sound and electricity • Earth and space • enquiry

How learning develops

EYFS	Observe living things, materials, seasons and change; ask questions, explore, compare and talk about what happens.
KEY STAGE 1	Study plants, animals, habitats, seasons and everyday materials while observing, classifying, testing and recording findings.
KEY STAGE 2	Build explanatory knowledge across biology, chemistry and physics; plan enquiries, control variables, measure accurately, analyse data and evaluate evidence.

Assessable end points

BY THE END OF KS1

Recall core taught knowledge, ask questions, use simple enquiries and observations, group or compare, and communicate findings.

BY THE END OF KS2

Explain scientific concepts and relationships, select and conduct appropriate enquiries, analyse patterns and use evidence to justify conclusions.

What pupils learn to do in the subject

SUBJECT PRACTICE Question • observe • classify • research • predict • plan • measure • analyse • conclude • evaluate

ESSENTIAL LANGUAGE observe • classify • predict • variable • measure • data • pattern • evidence • conclusion • evaluate

Implementation, inclusion and impact

- Teachers revisit prior learning, teach precise vocabulary, model subject thinking and give pupils opportunities to apply knowledge with increasing independence.
- Adaptive teaching, clear explanations, carefully chosen resources and appropriate scaffolds enable all pupils to access an ambitious curriculum.
- Teachers check what pupils remember, understand and can apply through discussion, observation, work and carefully chosen tasks—not through unnecessary evidence collection.

HOW FAMILIES CAN HELP Notice and investigate everyday phenomena; grow plants; cook and compare materials; encourage predictions followed by evidence-based explanations.

WEBSITE NOTE This one-page summary should be read with the detailed Great Leighs curriculum progression and unit end-point document, which remains the authoritative teaching sequence.