Science on a Page September 2026

Intent

We recognise the importance of Science in daily life. Science education is concerned with increasing pupils' knowledge and understanding of our world and with enquiry within this. It develops natural curiosity and encourages respect for living organisms and the physical environment. Our science teaching allows children opportunities to:

- Develop the ability to ask questions about the world around them, developing understanding of the nature, processes and methods of science as a whole.
- Be equipped with the scientific knowledge and skill to understand the uses and implications of Science, today and for the future and especially involving Artificial Intelligence.
- Use a range of methods to communicate their scientific information and present it in a systematic, scientific manner.
- Develop an enthusiasm and enjoyment of scientific learning and discovery.

We endeavour to ensure that the Science curriculum we provide will give children the confidence and motivation to continue to further develop their skills into the next stage of their education and life

Enrichment – linked to taught science curriculum

School participation in National Science and Engineering Week – March 2026

Visits : Jodrell Bank Observatory (Yr 5) Pizza Express (Yr 2) Hesketh Farm (Rec) Nell Bank Outdoor Centre (Yr 4)

Visitors: Wonderdome (Yr 1)

Key Priorities/Actions

To ensure full coverage of the objectives for each area of study.
To further develop the quality provisions for scientific enquiry across school ensuring all 5 areas of study are covered across all phases.
To monitor quality of learning and ensure 80% within each cohort are on track for ARE.
Possibly – the introduction of quality 'test' resource for science in upper key stage 2

Implementation

Teachers create a positive attitude to science learning within their classrooms and reinforce an expectation that all children are capable of achieving high standards in science. Our whole school approach to the teaching and learning of science involves the following.

Science will be taught in planned units of work covering the objectives set out in the National Curriculum.

Through our planning, we incorporate scientific enquiry opportunities that allow children to explore and investigate. Children are encouraged to ask their own questions and be given opportunities to use their scientific skills and research to discover the answers.

Planning involves teachers creating engaging lessons, involving high-quality questioning in class. On going teacher assessment of children is made regularly to identify those children with gaps in learning.

We build upon the learning and skill development of the previous years. As the children's knowledge and understanding increases, and they become more proficient in selecting, using scientific equipment, collating and interpreting results, they become increasingly confident in their growing ability to come to conclusions based on real evidence.

Skills of working scientifically are embedded into lessons to ensure these skills are being developed throughout the pupils school career. Each year new vocabulary and more challenging concepts are introduced through direct teaching.

Teachers demonstrate how to use scientific equipment, and the various skills of working scientifically in order to embed scientific understanding. Teachers find opportunities to develop children's understanding of their surroundings by accessing outdoor learning. Scientific displays including interactive resources are used across school to promote the importance of science in everyday life.

Monitoring and Assessment

Science is monitored across school in line with other subjects and includes book scrutiny, observed teaching and learning, pupil interviews and learning walks to evaluate the environments for science in classrooms.

Science is monitored in line with other curriculum areas with the use of Pop tasks. Each unit of work delivered across each year group has an appropriate Pop task resource to monitor and record against learning objectives. These resources and the data they contain are used by the Science lead in providing impact statements to the local academy council and Trust.

Impact

Pupil Interviews

- Enjoy practical nature of science – fun!
- More memorable experiences are experimenting
- Older pupils make better links between learning and across subjects

Book Scrutiny

- Good quality recording including explanation, tables and charts
- Learning sequences developed across units in most books
- Combination of knowledge and skills based learning evident including planning / enquiry learning
- Evidence of 'out of class' learning – electricity, sound proofing and periscope

Pop Task Teacher Assessments are available in class to demonstrate standards of work covered within each unit of learning.

Statutory End of Key stage Teacher Assessments (Year 2 and 6) July 2026

Year group	Wts	Exs
Year 2	17%	83%
Year 6	21%	79%

Progression of Skills/Vocabulary

All teaching staff are provided with Progression of Knowledge, Skills and Vocabulary documentation. These are carefully mapped into schemes of work so that progression across all phases of school is ensured. These are also posted on the school website so they can be shared with parents.

Teaching staff ensure appropriate skills are developed through-out project work.

Children are encouraged to refer to appropriate vocabulary within their learning opportunities and in their recording.