



PROUD to be **FOREFIELD:**
Passion, Respect, Opportunity, Unique, Determined

Subject Leader Report: Science 2025



An effective science education provides the basis for understanding the world through biology, chemistry and physics. Science has changed our lives and is vital to the world’s future prosperity; that’s why it is a core subject. Through building up a solid foundation of knowledge and skills, pupils should be encouraged to think, question and explore, and develop a sense of excitement and curiosity about the world in which they live.

The national curriculum for science aims to ensure that all pupils:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future

Science Curriculum

	Autumn Term	Spring Term	Summer Term
Year 3	Magnets and Forces Animals (including humans)	Rocks and Soils (including fossils) Parts of a Plant	What a Plant Needs Light and Shadows
Year 4	Dangers to Living Things Classifying Living Things	Changes of State Sound	Electricity Human Nutrition
Year 5	Earth and Space Forces	Materials Types of Change	Life Cycles
Year 6	Our Bodies Classifying Living Things	Light and Sight Electricity	Evolution and Inheritance

Science particularly links to our **Pupil Guarantee:** to ensure that every child finds their passion through developing a curiosity about the world around them, making healthy lifestyle choices, and extending their knowledge through visits and visitors, such as Kidz Fit (Y3), The Space Dome (Y5) and ZooLab (Y6).

British Values are a huge part of science lessons because science involves so much discussion and partner/group work, children must listen to each other, considering their views, showing mutual respect, and tolerance. Science in their primary years will prepare children for their future science education and also prepare them as people who will be living in and making an impact on the world around them.

2025

Assessment

Children are assessed through pre-learning activities and post learning activities which link to the key questions/ National Curriculum learning objectives. This may look like a mind map or quiz questions. These can be in children's books but can also be completed online. Using these, as well as observations throughout the teaching sequence and work in books, teachers assess the children as working towards age expectations, working at age expectations or exceeding age expectations.

Last year's results across the school were as follows:

12% B (below age expectations)

74% EXP (at age expectations)

14% EXC (exceeding age expectations)

Updates

Science resources to support lessons have been implemented across year groups for a consistent approach.



Science Week

Every year the children take part in activities related to the Science Week theme. Last year's was 'Change and Adapt'. This was a great opportunity to make links to topics in that year group to deepen their understanding.

Year 3: Plants living in different habitats (and how they are adapted to it)

Year 4: Hearing ability in different animals

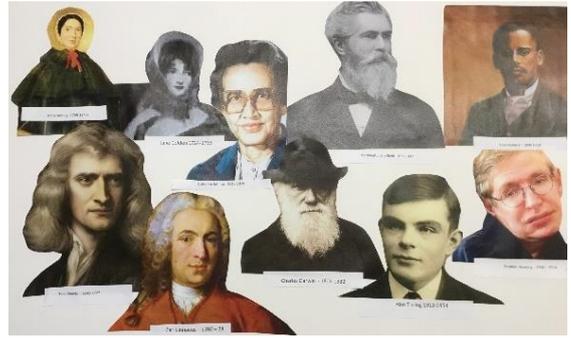
Year 5: Changing materials

Year 6: Animal adaptations

Teachers nominated children from their class who they thought were great Science Ambassadors and winners received a science themed prize and certificate.

Scientists to encounter at FJS

As a school we have identified scientists in each year group that we would like our pupils to know. They are linked to different scientific topics and show children that science is for everyone. Each scientist was a pioneer in their field and recognised for their discoveries and theories.



Science Around School...



Next Steps

Improve knowledge organisers to match topics, ensuring key information included.

Work alongside our School Improvement Partner to identify any further developments.

