

At Our Science curriculum aims to inspire pupils to become curious, inquisitive and analytical thinkers with a broad understanding of the natural world – in other words, to think like scientists. Whilst developing children's confidence to ask questions, make observations, carry out investigations and record data, we are building an awareness of how science influences everyday life. Children are encouraged to become reflective, responsible individuals who use scientific knowledge and skills to make informed decisions and contribute positively to the world around them.

## Implementation

### Sequencing and Progression

- Our science curriculum covers the big foundational areas—biology, chemistry, and physics—through topics like plants, animals (including humans), materials, forces, electricity, and seasonal changes. Placing an emphasis on working scientifically by observing closely, asking questions, carrying out simple tests, gathering data, and drawing conclusions.
- Our science lessons are modelled on a spiral curriculum, meaning that children revisit and develop their understanding of key themes and concepts as they progress through the curriculum. This approach allows children to make meaningful connections, reinforce their learning and achieve mastery over time.
- Individual lessons follow similar patterns, including the revisiting of prior learning, 'attention grabbers' that lead to critical thinking, tasks that develop understanding that relates to the learning objective and finishing with a reflective task.

### Assessment and Feedback

- Formative assessment is embedded throughout our science lessons in the form of questioning, observation, discussion and peer interaction, retrieval practice and use of the lessons learning objectives.
- At the end of each unit of learning, quizzes are used to build further understanding and knowledge retention of the key skills taught across the unit.

## The Living Curriculum

British Science Week is celebrated each year across the whole school through assemblies, lessons special activities.

The school engages with STEM experiments.

Scientists speak with the children about their jobs and how they relate to their primary learning.

## Impact

Pupils leave school equipped with the knowledge, skills and understanding needed to succeed in science and support their future learning. Through a rich, enquiry-led curriculum, they develop curiosity, confidence and a willingness to question the world around them. Pupils learn to investigate scientifically, think critically and analyse evidence, applying their scientific knowledge and skills with increasing independence to make sense of the world.

## Useful Links

