

SCIENCE

We aim to enable pupils to explore and discover the world around them, confidently, so that they have a deeper understanding of the world we live in. To achieve this it involves exciting, practical hands on experiences that encourage curiosity and questioning.

Quality of Education: Ensure that learning meets pupils’ needs through a relevant curriculum, appropriate resources, suitable interventions and high expectations.

Learners will . . .

- Develop their science knowledge and skills across the curriculum and, as a result, achieve well.
- Experience termly ‘WOW’ moments to deepen their knowledge and understanding.
- Be curious and ask questions about what they notice in the world around them.
- Deepen their understanding of scientific ideas by using different types of scientific enquiry to answer their own questions.
- Pupils will use the local environment to explore and answer questions about plants growing in their habitat. Where possible, they should observe the growth of flowers and vegetables that they have planted.
- Pupils will explore and compare the differences between things that are living, dead, and things that have never been alive.
- Pupils will learn how animals obtain their food from plants and other animals, using the idea of a simple food chain.
- Learn scientifically by looking for patterns in what happens to shadows when the light source moves or the distance between the light source and the object changes.
- Pupils will develop their understanding of the Sun and Earth that enables them to explain day and night.



- Have a good knowledge and understanding of the Science curriculum.
- Know where pupils are in their learning and their next steps.
- Ensure that **ALL** pupils are challenged.
- Plan lessons applicable to real life context and develop problem solving and reasoning skills.
- Provide opportunities for continuous provision of science skills/knowledge throughout the year.
- Achieve depth of learning in every lesson.
- Promote appropriate discussion about the subject matter they are teaching.
- Check pupils understanding systematically, identify misconceptions accurately and provide clear and direct feedback.
- Develop pupil voice and presents opportunities for connecting with others and participative citizenship.
- Enable pupils to experience and observe phenomena, looking more closely at the natural and humanly-constructed world around them.
- Pupils should explore and experiment with a wide variety of materials.

Teachers will . . .