

At St George's Church of England Primary School our intent is to create a Science curriculum where students and teachers are excited by the subject and are motivated to learn more and work scientifically.

Science at



St George's
Church of England Primary School
Bringing faith and education together



INTENT

Our intent is to give the teaching of Science the prominence it needs and desires. We intend to increase pupils' knowledge and understanding of our world (substantive), and develop skills associated with Science as a process of enquiry (disciplinary) through exploration. These skills will then lead to our children seeking answers to questions and drawing their own conclusions on investigations. We aim for all children to enjoy the teaching of Science and be fully engaged and through the many practical opportunities that come with this subject, they will develop their understanding of the world and enhance their scientific vocabulary. It is key for children in the Early Years setting to be provided 'seeds' for developing scientific concepts that will be built on throughout their primary school experience. We encourage cross curricular opportunities for pupils to develop their scientific knowledge and develop and use a range of skills for working scientifically. We strive to make our science teaching and learning exciting, memorable and creative through an ambitious, carefully planned curriculum.

IMPLEMENTATION

- A clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning shows progression across all key stages within the strands of Science.
- Using Rosenshine's Principles of Instruction, teachers structure their lessons to incorporate reflecting on previous learning, presenting new skills in a practical way and promoting independent practice.
- Differentiation and use of key resources to ensure that all children can access and achieve in every Science lesson across the school. Catch up sessions planned and used for children who need extra support.
- Using knowledge organisers to aid children in their retention of new knowledge and promote parental involvement with them being viewed at home and in school.
- Children will use a range of resources to develop their knowledge and understanding and develop their understanding of working scientifically.
- Children to build on prior knowledge (learnt in previous year groups) and link ideas together, enabling them to question and become enquiry based learners.
- Disciplinary knowledge is developed alongside the building of substantive knowledge.
- Teachers to plan school events, such as educational visits and invite outside agencies in to lead workshops, with the aim to enhance and enrich learning.

IMPACT

The impact of the Science teaching, across the school, will be regularly monitored and resources will be kept up-to-date to support children in their learning of Science. At the end of each term summative assessment activities will be completed. After this, a Science assessment tracker will be completed by the class teacher stating what skills have been achieved. Children at St George's Church of England Primary School will become curious scientists, who ask questions and follow their own lines of enquiry, leading to them celebrating their successes. Children will work scientifically and will be able to achieve while working independently and collaboratively in practical investigations, being able to explain the process they have taken and reason scientifically. All children to enjoy the subject of Science and continue to explore and discover the world around them.