





St John's Green Primary School

Learn to Live, Live to Learn

We 
Maths

We are all
writers ...

We are growing
our learning 

Curriculum Intent, Implement, Impact statement

Subject: Science

Subject Leader: Lucy Cook

Intent

At St John's Green Primary School, it is our intention to provide every child with an engaging and stimulating science experience. We have designed our curriculum to inspire all of our children to think scientifically through investigations and experiments. From EYFS to Year 6, they develop and build upon their prior scientific knowledge and skills in biology, chemistry and physics. Our children are encouraged to develop and link their scientific knowledge and skills to the wider world. It is our aspiration for our children to become resilient, motivated, collaborative and reflective learners, who make links within science by using our Learning Heroes. In science, everyone will be working at a suitable curriculum level, which exposes the children to age appropriate levels of challenge, using SOLO Taxonomy.

Implementation

We implement this through engaging lessons, enthusiastic teachers, enriching resources, practical experiences and precise planning of topics. The whole school follow the Long Term Plan to plan sequences of lessons from this. This provides opportunities to repeat and consolidate skills and subject content in science. Teachers use the Kent Scheme of Work for Primary Science (2014) as an additional support to the Science National Curriculum. This ensures the curriculum is planned in a logical way, for progression in the key scientific knowledge and skills, from Year 1 to Year 6. In EYFS, science is taught through the exploration of play and works towards meeting the Early Learning Goals from the Early years foundation stage (EYFS) statutory framework (2021). Writing is embedded throughout science with consistently high expectations and children are encouraged to reflect on their learning. Assessment against the intended learning objectives is carried out by teachers to identify the children's next steps. The data is then shared with the science lead to support gaps of knowledge in learning.

Impact

The impact of our science curriculum will ensure our children become enthusiastic and curious scientists who develop the skills to answer questions within the school environment and wider world. They will embrace a practical and collaborative approach to learning and as they progress through the years will build on their prior knowledge and skills. This will be evident through the practical lessons, supported by a range of resources. Our children will be able to talk about what they have learnt in science and this will be supported by their written findings and teacher assessments.

Children (including PP) at St John's Green Primary School will:

- Develop an interest and lifelong love for learning science
- Investigate and experiment collaboratively through different types of science enquiries
- Scientifically answer questions about the world around them using their science knowledge and skills
- Understand specific disciplines of biology, chemistry and physics and use appropriate scientific language

Children with Special Educational Needs and Difficulties at St John's Green Primary School will:

- Achieve their best, through skilled SEND support and engagement in the same activities as their peers in science.