

Science

Intent	<ul style="list-style-type: none"> • Science at SSSC will develop pupil's ideas and ways of working, enabling them to make sense of the world in which they live and develop a sense of excitement and curiosity about the world around them • Pupils will be immersed in scientific vocabulary, in order to add to the pupil's knowledge and understanding not only of the topic they are studying, but of the world around them • Our approach will provide pupils with a broad and balanced science curriculum designed to meet the needs and interests of the pupils • Science at SSSC will build on our pupil's natural curiosity, encouraging open-mindedness, self-assessment and perseverance • Pupils will develop and expand their ability to understand the world around them and be prepared for life in an increasingly scientific and technological world
Implementation	<ul style="list-style-type: none"> • Science teaching at SSSC involves adapting and extending the curriculum to match all pupils' needs • Science is taught through; Understanding The World in Nurture, Topic work in Primary, two discrete lessons a week for KS3 and three discrete lessons a week for KS4 • Lessons focus on providing the children with high-quality teaching and learning experiences, which allow them to explore their outdoor environment and engage with practical experiments • Regular practical investigations will help to enhance independence as well as developing the pupil's technical skills • Skills such as; observing and measuring, predicting and hypothesising, experimenting, evaluating and interpreting, together with communicating and explaining their findings • Hence, enabling children the scientific tools needed to extend the pupil's concept of the world, and their ability to approach problems in a logical, scientific manner. • Science is planned and sequenced so that new knowledge and skills build on what has been taught before using a science syllabus based on the national curriculum • Progress and assessments within Primary and KS3 follow a statistical model allowing for the relevant needs of each child • However, within KS4 the targets are more qualification based, focusing on enabling the children to achieve qualifications which will inspire and stretch them • All targets are aspirational and have been agreed after discussion with pupils and their tutors along with recognising their rate of science progression from previous years • Pupils begin their science experience in Primary 1 following EYFS & KS1 topics • Primary 2 pupils follow KS1 & Year 3 topics • KS3 progress onto topics from Y4 to Y7 • Nurture KS3 & KS4 follow topics from KS1 & Year 3 topics • Finally, in KS4 pupils work towards gaining qualifications including AQA Entry Level Certificates, GCSE Synergy Science and ASDAN Awards
Impact	<ul style="list-style-type: none"> • Pupils will be better able to recognise, understand and appreciate the world around them • Pupil Progress - monitored through the bespoke SOLAR Science Assessment Steps • Progress towards EHCP outcomes • External Accreditation • Post 16 Progression outcomes and employability