



# St White's Primary School

Challenge, Commit, Conquer and Celebrate



At St Whites School, our aim is for our children to learn more science so they remember more science so they can do and apply more science.

In EYFS, science teaching and learning follows Development Matters and children learn science through exploring and understanding the world around them. For Key Stages 1 and 2, we teach Science using National Curriculum objectives that are mapped into a 2 year rolling programme. The objectives are mapped to fit with topics where possible there is a balance of physics, chemistry and biology taught each year. Our curriculum overview shows clear progression of both skills and knowledge. In addition, our pupils build up an extended scientific vocabulary which is embedded throughout their learning and used by the pupils in their communication of their scientific understanding. As well as the learning of scientific knowledge, the pupils are taught to develop their enquiry skills. They learn that being a scientist means challenging existing ideas, challenging the findings of their own enquiries and asking lots of questions. The pupils are taught to apply their mathematical knowledge to their understanding of science, including collecting, presenting and analysing data. Pupils are given opportunities to discuss their ideas and make links with prior learning in science and with other subjects. Our pupils learn to show enthusiasm and courage when sharing their ideas and designing their own enquiries; they learn that scientists do not always get things right first time and that being a scientist is all about making mistakes and learning from them. We understand that in order to truly embed scientific knowledge into a child's long term memory, they need to have plenty of experience of the knowledge and the opportunity to apply it in a range of contexts.

We aim to raise the interest, enjoyment and experiences of science for every pupil in our school. We are passionate about ambition for all and believe that all pupils can progress and excel in science. In order to raise the science capital for our pupils, we look for opportunities to bring in 'real life' people with experience of science in their everyday lives e.g. food nutritionist, school nurse. We have an annual Science Week and as a part of this, we hold an Aspirations Day when children get the opportunity to talk to adults from a range of different professions, some of which will have links to science. It is important to us that our children experience diversity in science and learn that they can become our scientists of the future. We provide our children with events and activities such as trips to the Cheltenham Science Festival and our whole school Great Science

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"This is a good school."  
Ofsted 2019



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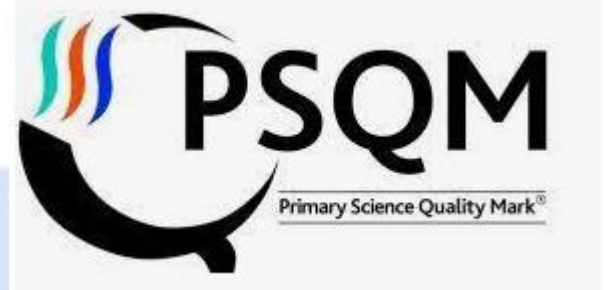


Share Fair which engage, enthuse and excite them. We are very lucky to have such fantastic school grounds and, in addition to Forest School, we utilise our outdoors areas for learning at every opportunity.

We are very proud of science at St White's and in order to showcase and celebrate this we are currently working towards 2 Science Awards: PSQM and Eco Schools.

In order to achieve the Eco Schools' Award, we need to prove that our school is having a positive impact on the environment. The whole school has been involved in drawing up an action plan and everyone has been working hard to achieve our 3 actions of reducing our paper consumption, reducing our

energy consumption and encouraging more wildlife into the school grounds. The Eco Committee, which is made up of pupil representatives from Years 2-6, is helping to monitor and improve the actions. The Primary Science Quality Mark is a whole school accreditation programme aimed at improving science teaching and learning. We are working towards the PSQM GILT award.



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