



## Subject Vision: Science

“It is important to view knowledge as a sort of semantic tree – make sure you understand the fundamental principles, i.e. the trunk and branches, before you get into the leaves/details or there is nothing for them to hang on to.”

Elon Musk

What do we love about our subject?	How do we want our pupils to talk about our subject?
<ul style="list-style-type: none"> <li>• Science provides inspiration for children to question the world around them and develop their natural curiosity to ask why, how and what.</li> <li>• Science provides opportunities to observe, question, experiment, problem solve and analyse.</li> <li>• All children have the capacity to be scientists, create and conduct investigations, ask and answer ‘big’ questions.</li> </ul>	<p>At All Saints we want children to:</p> <ul style="list-style-type: none"> <li>• enjoy the opportunities to experiment and investigate</li> <li>• Make meaningful links between classroom learning and real-world experience</li> <li>• Develop scientific literacy and critical thinking skills</li> <li>• Talk confidently about the concepts they have learned and articulate how they understand the world around them using scientific vocabulary appropriate to age and stage of understanding</li> <li>• Develop respect for the living and non-living world around them.</li> </ul>
What are some of the big ideas in our subject? (NC Aims & school aims?)	What are some of the things we would love to teach in this subject?
<ul style="list-style-type: none"> <li>• develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics</li> <li>• develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them</li> <li>• are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future</li> </ul>	<p>At All Saints we would love to ensure that each year all children are inspired by real-life visitors to school working in science and technology, health care, biology or chemistry sectors from our parent body and wider community.</p>