



## Science at St Aloysius

Our science curriculum inspires students' curiosity and wonder about the world we live in. It makes science relevant to our students and develops a solid grounding in scientific knowledge and understanding.

### We aim to:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- 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

At St Aloysius, we have carefully designed our Science Curriculum, which we recently reviewed and refined using the latest Ofsted Research Review for Science 2022. Our ambitious Science Curriculum clearly outlines the knowledge and skills pupils gain at each stage of their learning journey. You will see the clear endpoints the curriculum is building towards. We have carefully sequenced these to help pupils progress well over time. We have high academic ambition for all of our pupils and we adapt this curriculum accordingly to meet the needs of all our children.

The curriculum has been built around Substantive and Disciplinary Knowledge.

We ensure that new knowledge and skills build on what has been taught before, we address common misconceptions and allow clear opportunities for working scientifically.

The outcome for all St Aloysius pupils is that they:

- can confidently recall key scientific knowledge and demonstrate their understanding through clear explanations
- can work scientifically to attempt to answer questions, test predictions and draw conclusions based on findings
- can confidently apply knowledge to their learning across the curriculum
- are confident in using and applying scientific vocabulary
- and most of all.....develop a love for Science and the world around them.