Impact

Children talk up and about their scientific learning and speak confidently about what they have learnt previously, what they are currently learning and what they would like to learn about in the future.

Children have a solid grounding in biology, chemistry and physics and scientific enquiry skills so that they are preprepared for scientific studies in KS3 and beyond.

Implementation

Children enjoy science lessons and speak enthusiastically about the subject.

Children apply the skills learnt in literacy and maths when presenting their learning and collecting, analysing data.

Children raise questions, carry out scientific investigations, use written and verbal explanations and solve challenging problems.

They report scientific findings, undertake practical work and find links between scientific technologies.

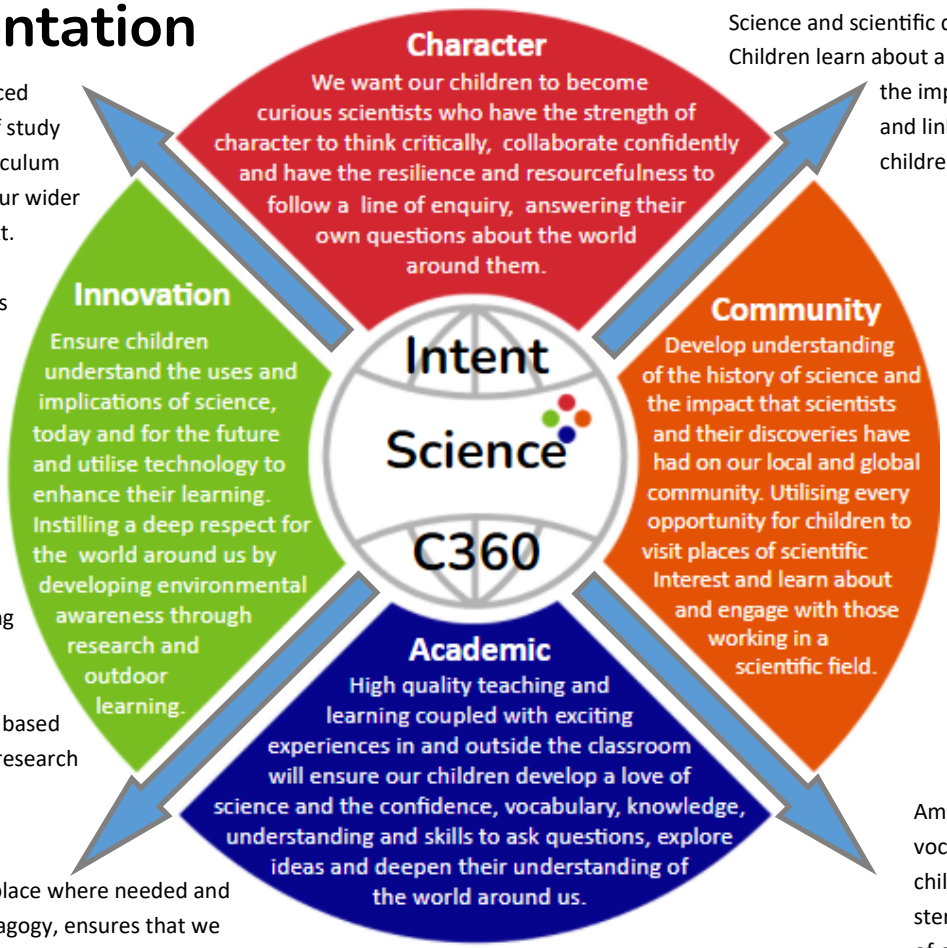
We follow a clearly sequenced and progressive program of study based on the National Curriculum objectives and tailored to our wider curriculum and local context.

Opportunities to make cross curricular links are planned into sequences while maintaining the integrity of science as a subject.

Working scientifically skills are assessed using TAPS focussed assessment tasks and progress is tracked using Curriculum Maestro.

Planning and assessment is based on up to date, high quality research from the ASC.

High quality teaching, with scaffolding and support in place where needed and use of age appropriate pedagogy, ensures that we meet the needs of all children.



Science and scientific discovery are valued. Children learn about a range of scientists and the impact that they have had and links are made with children's personal experiences.

Developing good character and character virtue language is embedded in the planning and teaching of science.

Building cultural capital of all individuals through visits to places of scientific interest and discovery.

Children are given the opportunity to meet those working within a scientific field, in person or virtually.

Ambitious, subject specific vocabulary is introduced to children as well as sentence stems to promote high levels of oracy.

Children can explain what 'great scientists do' and make links between science and the character virtues of our school

Children can talk about the history of science, significant scientists and their discoveries and how they have made an impact on our lives today.

Children confidently apply their scientific knowledge to other areas of learning and to the world around them.

Outcomes at the end of each Key Stage are in line or above National levels and individuals progress in science is evident from pupil conferencing, exercise books, chrome books and teachers observations and ongoing assessment.

Children read, spell and pronounce age appropriate scientific vocabulary accurately, understand it's meaning and use it appropriately in discussion.