



Key Stage: 3

Subject: Science

Aims of the subject:

Our aim is to “bring out the scientist in everybody”. As a team we are passionate about our subject and the wonder, challenge and inspiration it provides to so many young people.

Scientific enquiry is placed at the heart of teaching and pupils are expected to operate as scientists. We aim to ensure pupils’ natural curiosity is sustained and the ‘big ideas’ in science are referred to. Lessons are highly interactive with a focus on developing both practical skills and content knowledge. We will build upon techniques in practicals over the two year scheme.

Year	What will I learn?	What will I do?
Year 7	<p>Rotation 1 Cells Particles Forces</p> <p>Rotation 2 Body Systems Elements Waves</p> <p>Rotation 3 Reproduction Chemical Reactions Space</p> <p>Rotation 4 Disease Acids</p>	<p>Learn a variety of new vocabulary for each topic and be able to use it in context.</p> <p>Begin to use numerical skills to manipulate and record data.</p> <p>Build a set of investigative skills for scientific enquiry that can be applied in a number of different practical contexts.</p>

Year 8	<p>Rotation 1: Lifestyle Periodic Table Energy</p> <p>Rotation 2: Inheritance Motion and Pressure Separation Techniques</p> <p>Rotation 3: Metals Electricity Earth's Resources Ecosystem</p>	<p>Learn a variety of new vocabulary for each topic and be able to use it in context.</p> <p>Begin to use numerical skills to manipulate and record data.</p> <p>Build a set of investigative skills for scientific enquiry that can be applied in a number of different practical contexts.</p>
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Extra-curricular opportunities

At KS3 Science, alongside a number of trips, we offer a Science Spectacular event once a term where students are encouraged to come and along and take part in fun and exciting science experiments. There will be opportunities to develop practical and investigative skills and have fun.

We also currently run a scheme called Springboard Science. The aim is to stretch and challenge students further. Selected students will work through the scheme throughout the year and will be offered support from sixth form mentors. They will work together to complete a range of scientific tasks that interest them. They are then given the opportunity to present this to teachers and parents in the Springboard Presentation event at the end of the year.

How you can support your child's progress

Encourage the use of textbooks and online resources for revision and extension of content covered in lessons. Revision guides are also available to purchase at the start of each academic year.