

KS3 Science



Curriculum Intent

Key Stage 3

KS3 Science introduces students to the exciting worlds of Biology, Chemistry and Physics, they also get the chance to develop their experimental skills. Their curiosity and interest is stimulated through a wide range of practical work, problem solving, and ICT based activities. By the end of KS3 students have a strong foundation of knowledge which they will build upon at GCSE level.

Year 7 starts with 'Introduction To Science' which starts to develop the skills that students will need to progress in Science. We develop these skills further in Year 7 and Year 8. Students study 2 topics from each of the three disciplines.

Year 8 builds upon and develops the concepts that students meet in Year 7. We also introduce key ideas that students will meet again in more depth during the GCSE years.

Year 9 rounds off the KS3 Curriculum and prepares students to begin their GCSE studies.

KS3 Science Club allows students to experience opportunities outside of the curriculum to enhance and broaden the

Curriculum Implementation

Key Stage 3

Year 7	Year 8	Year 9
<ul style="list-style-type: none">• Introduction To Science• What Am I?• Energy and Particles• Space• Atoms, Acids and Bases• Digestion• Electricity and Energy• Experimental Skills - Graphs	<ul style="list-style-type: none">• New Life• Atomic Theory• Forces• Chemistry of Planet Earth• Light Vs Sound• Experimental Skills - Evaluating• Ecology & The Variety of Life	<ul style="list-style-type: none">• Electricity and Magnetism• Chemical Reactions <p><u>GCSE Topics:</u></p> <ul style="list-style-type: none">• Biodiversity and Ecosystem• Changes of the Atmosphere• Space Physics (Part 1)• Adaptations and Energy Flow• Resources• Energy (Part 1)