



Vision The purpose of KS3 is to embed the building blocks of scientific knowledge and enquiry, and to inspire a sense of wonder and awe at the world around us.

In year 9 the curriculum looks at applications of physics in today’s world and explores how these discoveries were made. There is an end of KS3 formal assessment for which revision materials and guidance are provided. Students then begin their physics GCSE course with content that is common to both the Double award and Triple award courses. Students will begin their options course in September of Year 10.

As well the assessments detailed below there will be a baseline test in the Christmas term that will be used to help identify suitable candidates for the triple science GCSE.

	Foci	Assessment	Knowledge Organiser
Unit 1	<p>New technology and Turning points This topic links together many of the physics topics from year 7 and 8 showing them in a real world setting. Students look at some of the history of major discoveries in physics including models of the universe and the discovery of radioactivity. This module focuses on how technology changes has made some tasks easier which has then improved existing systems. For example, in hospitals to monitor patients to in the home making our houses more efficient.</p>	<p>Formative assessments throughout the topic including multiple choice questions, extended writing, and practical work</p> <p>End of topic Test</p>	<p>Physics New technology and Turning points</p>
Unit 2	<p>To review work from years 7, 8 and 9 including working scientifically concepts and practical work.</p>	<p>End of Key Stage 3 written assessment.</p>	<p>Revision Booklet Working Scientifically</p>
Unit 3	<p>AQA KS4 GCSE Energy Stores of energy & transfers; calculations of energy, efficiency, power, conservation of energy, energy resources, renewable energy resources</p>	<p>Formative assessments throughout the topic including multiple choice questions, extended writing, and practical work</p> <p>End of topic Test</p>	<p>Energy</p>