

Course Title	A Level Physics
Level	Level 3
About the course	<p>Physics helps us to understand how the world works. Students of Physics can think logically, apply complex ideas and solve real world problems. The AQA Physics course allows students to develop an understanding of the world around us from the smallest components of atoms to the vastness of space. Physics is a fascinating fundamental science which requires students to have the imagination to cope with what we cannot see.</p> <p>AS students will study Units in:</p> <ol style="list-style-type: none"> 1. Particles, Quantum Phenomena and Electricity 2. Mechanics, Materials and Waves 3. Practical Physics. <p>These topics provide the essential background ideas for progression to the A2 course. Practical work is used wherever possible to develop students' skills and their understanding of the basic principles.</p> <p>During the second year of study the A2 Units build on the work covered in the first year and includes topics such as Nuclear Physics, Thermal Physics and an Optional Topic (for example Astrophysics, Medical Physics or Applied Physics). Practical work again forms an important part of the course.</p> <p>Studying Physics alongside Mathematics is essential if students wish to study Physics or Engineering at University. We recommend that students taking Physics at A level also take A level Mathematics.</p>
Progression routes	<p>Physics is an essential subject for all engineering and technological related careers and courses. It allows progression to exciting fields of work such as Astronomy, Electronics, and Ophthalmology. The skills developed in this course are highly regarded as a numerate analytical foundation for many different careers.</p>
Method of assessment	<p>Written examinations and centre assessed coursework. The coursework counts for 20% of the final marks in both AS and A2.</p>