

Physics

Awarding Body	Edexcel	Specification Code	9PH0
Type of qualification	A Level		
Entry Requirements	GCSE Combined or Separate Science Physics grade 6 Mathematics grade 6		
Course Content	<p>The beauty of the Edexcel course is that it can be delivered through a concept or context led approach. The concept led approach is our starting point where the new skills and ideas are taught specifically as concepts. We then reinforce these with students using the context led books to apply the new skills and concepts learnt in various contexts. This includes using real world examples, such as how satellites and CD players work, to archaeology, sports and surgical implants. Physics is assessed through written examination papers and in a series of core experiments. The former will contribute to the final grade awarded, and the latter to a separate 'practical competency' pass mark being awarded based on internal assessments. We have the expertise and resources in place to deliver the content and core practical's successfully, and to create a rigorous internal assessment system; vital for a linear two year course.</p> <p>The topics on this course are:</p> <ul style="list-style-type: none"> • Working as a Physicist • Mechanics • Electric Circuits • Further Mechanics • Electric and Magnetic Fields • Nuclear and Particle Physics • Materials • Waves and Particle Nature of Light • Thermodynamics • Space • Nuclear Radiation • Gravitational Fields • Oscillations 		
Assessment Method	<p>All of the A Level exam will be sat at the end of Y13. Advanced Physics I and Advanced Physics II are each worth 30%. The third paper, General and Practical Principles in Physics, is worth 40%. This is a synoptic paper which can assess any aspect of the course and will include questions testing conceptual and theoretical understanding of experimental methods. In all three papers 40% of the marks will require the application of mathematical skills</p>		
Career Pathway	Any science-based degree, accounting, managerial roles, research, engineer (aeronautical, mechanical or similar),		
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