



Create your future

Title of Course		Physics	
Level	A Level Physics	Examination Board	OCR
What the subject is about	Physics is the study of the nature of energy and matter. It is fundamental to our understanding of the world around us and the universe beyond.		
What you will learn	<p>The course covers a broad range of the field of biology:</p> <ul style="list-style-type: none"> • Topic 1: Development of Practical Physics • Topic 2: Foundations of Physics • Topic 3: Forces and Motion • Topic 4: Electrons, Waves and Photons • Topic 5: Newtonian World and Astrophysics • Topic 6: Particles and Medical physics <p>Learners study physics in a range of different contexts, conveying the excitement of contemporary physics. The course provides a distinctive structure within which candidates learn about fundamental physical concepts and about physics in everyday and technological settings. Practical skills are embedded within the specification and learners are expected to carry out practical work in preparation for a written examination that will specifically test these skills.</p>		
How you will learn	Through a range of methods and opportunities, including individual and collaborative learning, there will be a range of opportunities to engage with experiments in order to enhance understanding and also to develop investigative skills and techniques.		
Independent learning	Throughout the course independent learning is fostered, and you will be expected to review and extend learning that takes place during lessons. Through the first module, independent learning skills are explicitly taught, including effective note-taking and research skills. Advice is given throughout the course. In addition, there will be an opportunity for you to complete an Extended Project Qualification (EPQ).		
Coursework and Examination Information	<p>There will be three written exams at the end of the course:</p> <ul style="list-style-type: none"> • <i>Paper 1 –Modelling Physics shall assess topics 1,2,3 and 5 and consists of 37% of the A-level</i> • <i>Paper 2 –Exploring Physics assesses topics 1,2,4 and 6 and consists of 37% of the A-level</i> • <i>Paper 3 –Unified Physics assesses all units and consists of 26% of the A-level</i> <p>In addition, you will complete a number of core practicals throughout the course which will cover specific skills and techniques. These will be assessed through the examinations outlined above and also through teacher assessment of your skills, techniques and competency when completing practical work. This will provide you will a Practical Endorsement pass, alongside your A Level grade.</p>		
Your future career	Physics helps you to build up research, communication, problem solving and analytical skills. Physics is a key subject for lots of STEM careers, including: Engineering, Astronomy, Architecture and many more (go to http://www.physics.org/careers.asp?contentid=381 for more details).		
Staff Contact	Mr Jon Searle Leader of Learning Science Jon.Searle@uaesouthbank.org.uk 020 7277 3000	Entry requirements	Grade 6 in Maths