Physics

Awarding Body	OCR	**Specification Code**	H556

Purpose of the course	The aims and objectives of the OCR Advanced GCE in Physics are to enable students to develop: ● Essential knowledge and understanding of different areas of the subject and how they relate to each other ● A deep appreciation of the skills, knowledge and understanding of scientific method ● Competence and confidence in a variety of practical, mathematical and problem solving skills ● An interest in and enthusiasm for the subject, and hence to further study and associated careers ● An understanding of how society makes decisions about scientific issues and the sciences contribute to the success of the economy.
Entry requirements	Candidates for this course will normally have taken either GCSE Physics or GCSE Combined Science and have attained at least a grade 6 or 6,6. In addition, a grade 7 or above at Mathematics is strongly recommended. Studying A Level maths would be advantageous.
Type of qualification	A Level
Course contents	Six Modules: (1) Practical Skills and (2) Foundations underpin the others which are: Y12: (3) Forces & Motion, (4) Electrons, Waves & Photons Y13: (5) Newtonian World & Astrophysics & 6) Particles & Medical Physics
Assessment method	Paper 1 2hr 15 mins (37% of A Level) Paper 2 2hr 15 mins (37% of A Level) Paper 3 1 hr 30 mins (26% of A Level) The endorsement of practical skills will be made if the candidate has demonstrated competence in all five Common Practical Assessment Criteria. In practice this requires completion of a minimum of twelve practical assignments covering topics from all modules (3) to (6), spread over both years of the course.
Further studies	Physics, especially in combination with mathematics or another science subject, opens the door to a wide range of degree courses and apprenticeships. Physics is also an excellent supporting subject for other career directions such as the medical or computer sciences. In the past many students have continued beyond school with a pure science subject or engineering. Engineering in particular includes a wide range of options such as mechanical, civil, electronic and aerospace, and employment prospects are excellent. It is also possible for graduates in science or engineering to find employment in other fields such as the civil service, public services and education and financial services.
More information from	Mr Lowor/Mr Yapp