Physics

Awarding Body	OCR	**Specification Code**	H556

Purpose of the course	The aims and objectives of the Pearson 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 ● Their interest in and enthusiasm for the subject, including developing an interest in further study and careers associated with the subject ● An understanding of how society makes decisions about scientific issues and the sciences contribute to the success of the economy. ● We focus on understanding, rather than just factual recall, and on technological applications and their social, economic, ethical and environmental implications. There is an emphasis on practical work throughout the course.
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 at Mathematics is advantageous.
Type of qualification	A level It is graded A* to E and a pass or fail in practical skills
Course contents	14 Modules including: Thermodynamics, Space, Nuclear Radiation Gravitational Fields and Oscillations
Assessment method	Paper 1 2hr 15 mins (37% of A level) Paper 2 2hr 15 mins (37% of A level) Paper 3 1 hrs 30 mins (26% of A level) Practical The practical endorsement is a pass or fail part of the course. It requires a minimum of 12 practical activities to be completed.
Further studies	Physics / Engineering: This is the practical application of maths and physics. As long as these two A-levels are taken, a huge range of degree options will be left open. These include engineering (mechanical, electronic/electrical and civil), physics and materials science.
Subject Lead	Mrs E O'Leary