



Head of Department :	Mrs. H. Cunningham	Exam Board :	OCR	Level:	A
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The study of physics at A Level is a desirable and even necessary requirement for studying a very large range of higher education courses in the physical sciences, advanced technologies and engineering. Physics is the study of the universe, its components and its past, present and future. It explores the concepts and models that we use to describe and explain these aspects.

All students enrolling on the A level course will follow a linear 2 year path.

Year 12

Topics covered in the first year include the principles of digital imaging, sound and signalling, electrical networks, properties and structures of materials, waves and quantum theory, and dynamics. Skills that will be developed include practical skills and data analysis as well as problem-solving techniques.

Year 13

Examination: 100% and a practical endorsement.

There are three examined components that cover all elements of the 2 year A-level course.

In addition to those covered in the first year, topics in the second year of the course include creating models, cosmology, thermodynamics, electromagnetism, electric fields, particle physics, and ionising radiations.

The practical endorsement consists of a series of experimental activities designed to help students develop all aspects of their practical skills, data analysis, investigative planning and conclusion/evaluation of the entire experimental process. This is reported separately to the subject grade and is either a pass or fail.