

PHYSICS

Level : AS and A2

Examination Board : OCR

We follow the new OCR Advanced Level Physics (Syllabus B). It encourages students to develop a wide range of skills while learning relevant and modern Physics. It is very well received by universities.

Assessment: AS

2 written papers (G491 and G492) 1 hour (30% AS) and 1 hour and 45 min ((50% AS) respectively and a Materials Internal Assessment (20% AS).

Assessment : A2

2 written papers (G494 and G495) 1 hour 15 min (15% A Level) and 2 hour (25% A Level) (respectively) and a Practical Skills in Physics (G496) Internal Assessment (10% A Level).

Course Content:

The course covers various topics relevant to both real life applications in a technological world and the taking part in matters of scientific impost.

It enables students to recognise the usefulness and limitation of scientific method and to appreciate its applicability to other disciplines possibly also being studied. It suitably helps to prepare students for employment and / or further study beyond AS GCE or Advanced GCE.

We endeavour to broaden the students' involvement in Physics and Engineering by the input from outside speakers and visits to various lectures. There is a solid link with Exeter University. There is a good choice available in the AS module between Communication ,Designer Materials, Waves and Quantum Physics, Space, Time and Motion and at A2 Models and Rules, Matter in Extremes, Fields and Fundamental Particles.

Requirements:

AS

Grade B or more in Higher Tier Physics.

A2

A pass grade in three units at the end of the 'AS' year.

Career Opportunities:

Physics is highly regarded for many careers as it requires mathematical, practical and problem solving skills together with the use of IT. To keep a wide range of options open it is wise to combine Physics with others sciences, and Mathematics is essential if you are considering engineering or studying physics further. Courses in Sports Science, Music Technology, Geography/Geology and Design and Technology are also good combinations for Physics students. Some successful Physics graduates go on to earn substantial salaries as financiers in the city.