Advanced GCE in Physics

Board: OCR
Qualification: Advanced Level GCE in Physics

Why choose Physics?

Physics A-level will prepare students for a career or further study in physics, engineering, or research. Physics A-level is widely accepted for entry to all degree courses.

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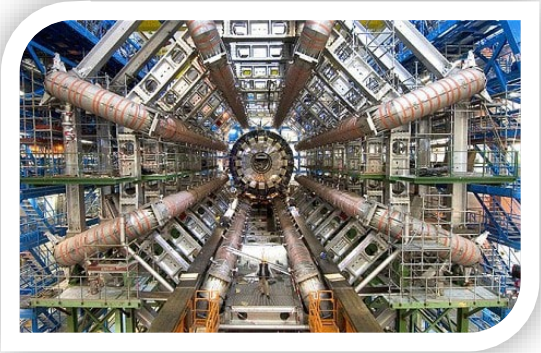
You will learn about:-

- 1st Year Units:
  - Forces and Motion
  - Waves and Quantum Physics
- 2nd Year Units:
  - Newtonian World and Astrophysics
  - Particle and Medical Physics



This series of units will take you on journey across physics. You will learn a range of topics covering the smallest building blocks of sub-atomic matter to studying the evolution of stars and the Universe. It is a subject which is very much at the cutting edge of the 21st century. Whether it is solving the UK's future energy problems, particle research or materials development, it is definitely an exciting time to be studying Physics.

The course is practically based. You will complete at least 12 core practical experiments, together with other experiments, to pass your A-level physics practical endorsement.

How will I be assessed?

At the end of year 13, you will sit three exams covering the work across both years to achieve your A-level in Physics. You will also demonstrate a high level of practical skills to gain the practical skills endorsement at the end of year 13.

What skills will I develop?

During this course you will develop a number of skills which are valuable in many careers. Your mathematical skills will be used and extended, especially when applying these in problem solving scenarios. You will plan and undertake experiments. Due to the nature of the subject, you will need an inquisitive mind but you will learn how to use this effectively, building your critical reasoning and logical thought.

Why might this course be for me?

If you are interested in discovery and want an exciting and interesting subject which underpins everything in the Universe, then Physics is for you. You may want to choose Physics as it is a versatile and highly regarded A-level which will open doors to the most sought after degrees, universities and careers.

Where can I go next?

A-level Physics is highly respected and held in the highest regards amongst universities. Having an A-level in Physics can lead to a wide range of qualifications and careers. The majority of those who study Physics go on to develop their knowledge on courses such as astrophysics, geophysics, forensic science, engineering, meteorology, medical physics and many more. A-level Physics is also complementary with careers in accounting, computing, finance, law, mathematics, medicine and many more areas.