



# PHYSICS AS/A LEVEL

## **Awarding Body**

AQA

## **Who is the course for?**

Anyone with a curious mind.

Physics is crucial to understanding the world around us, the world inside us, and the world beyond us. It is the most basic and fundamental science. Physicists are problem solvers. Their analytical skills make physicists versatile and adaptable so they work in interesting places.

## **What can it lead to?**

You can find physicists in industrial and government labs, on college campuses, in the astronaut corps, and consulting on TV shows. In addition, many physics grads work at newspapers and magazines, in government, and even on Wall Street—places where their ability to think analytically is a great asset.

Even when the job market is slow, physicists get job offers—well paying jobs. Employers know that a physicist brings additional skills with expertise and pay accordingly.

## **What are the entry requirements?**

B at GCSE Science or equivalent

## **What will I Study?**

GCE Physics will allow pupils to explore the shift in paradigms from Newtonian mechanics to quantum and relativistic Physics. The course, delivered by experienced teachers, is aimed at developing knowledge, understanding and application of scientific concepts through theoretical and practical activities. Practical work with an emphasis on quality of measurement is a running theme that culminates in a centre assessed practical exam. Topics covered will include: elementary particles, radiation, quantum phenomena, mechanics, further mechanics, electricity, , materials, waves, fields, nuclear physics, thermal physics and an optional topic

## **How will I be taught?**

Mixture of lectures and practical work.

## **How will I be assessed?**

Exams 80% Coursework 20%

## **What equipment or materials will I need?**

A Scientific calculator and a mathematical set.  
A good physics textbook.