Why study this subject?
From the smallest quark to the largest galaxy, Physics explains it all!
It develops logical, practical, mathematical and technical thinking. It is one of the facilitating subjects looked on favourably by the top universities. If you have a Physics A Level; “everybody thinks you are clever”.

What happens in lessons?
You will be taught by experienced teachers who are experts in the subject. They will help to ease the transition to the more demanding content required in A Levels by building it up slowly from the knowledge you bring with you from GCSE. Lessons follow an established scheme of work with starters, plenaries, exam question practice, discussions, group work and practical work. There are also a couple of longer projects later in the course. Some of the practical work you do will count towards the OCR practical endorsement.

Course Assessment
AS Level Physics:
Two papers worth 50% each, covering:
Practical skills in physics
Foundations of physics
Forces and motion
Electrons, waves and photons
A Level Physics:
Three papers covering the AS content plus:
The Newtonian World and Astrophysics
Particles and medical physics
A Level Practical endorsement (Pass/Fail). There is no coursework for this subject.

What to do afterwards
As with other science A Levels, Physics is highly valued by universities and employers as one of the ‘facilitating subjects’. It can lead to a variety of careers and university courses and in recent years students have gone on to do Astronomy, Chemical Engineering, Aeronautical Engineering, Medicine, Maths, Computer Science, Robotics, Natural Sciences, Music Technology etc...

Reading around the subject
You will have access to two textbooks and online digital resources. In addition, many previous students have taken a MOOC in an area of Physics they are interested in. Some students have also found it useful to watch documentaries by great communicators of Physics such as Jim Al Khalili, Richard Feynman, Brian Cox and Michio Kaku.

“An understanding of Physics has made me look at the world in a different way and question more.”

Entry Requirements: You should be working at a minimum of a Grade 7 6 in Trilogy Science or a 7 in Physics if you study Triple Science.

“Physics is the best of the sciences; you don’t choose it, it chooses you!”

“The beauty of Physics is that it is all so logical. You don’t have to remember lots of facts, you can just work everything out from what you already know.”