

A level Subject Information

Subject: Physics

What the subject is about:

Physics is about understanding laws and theories and learning how to apply them. A broad range of topics are covered such as mechanics, electricity, light, sound, gravitational or magnetic fields and atomic or nuclear physics. You will learn how Physics affects the environment and society, contributing to advances in medicine and technology. Physics is a highly mathematical subject and a very practical one.

Course content and assessment schedule:

Paper	Duration	Season when first taken	Brief outline of main content. (Identify where coursework or practical forms part or all of a module)
1	1 ½ hours	Jan Yr13	Forces, Energy and electricity
2	1 ½ hours	Summer Yr13	Waves, Photons and Medical Physics
3	1 ½ hours	Summer Yr13	Practical Techniques
4	1 ½ hours	January Yr14	Momentum, Thermal Physics, Circular Motion, Oscillations and Atomic/Nuclear Physics
5	1 ½ hours	Summer Yr14	Fields and Their Applications
6	1 ½ hours	Summer Yr14	Practical Techniques

Entry requirements:

Compulsory GCSE subjects	Grade	Desirable subjects	Grade
Double Award Physics	A or B	Additional Maths	A, B or C
Mathematics	A or B	Double Award Chemistry	A or B
		Technology	A or B

Qualities / skills needed to succeed in the course

Good attendance and punctuality
A commitment to listen in class and follow instructions
An organised approach to taking notes
Good mathematical skills
Good practical skills
The commitment and ability to study independently