

PHYSICS

EDEXCEL: A LEVEL PHYSICS

INTRODUCTION

The aim of Physics is to understand the basic principles which govern how the universe works, right from the sub-atomic particle through to distant galaxies. Physics is the foundation of all modern science and technology. It is for people who like to ask searching questions such as:

- What are we made of?
- What is light?
- How does gravity work?

It is for the curious and those with imagination. You will develop your Mathematical and practical skills as well as learning problem solving strategies. Physics goes particularly well with Mathematics, but it also links well with other Sciences, Geography and Computer Science.



COURSE CONTENT

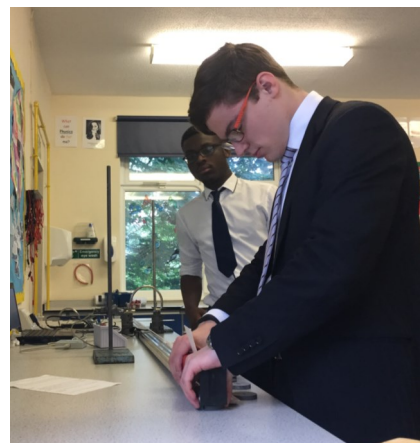
1	Mechanics	7	Waves and the Particle Nature of Light
2	Electric Circuits	8	Thermodynamics
3	Further Mechanics	9	Space
4	Electric and Magnetic Fields	10	Nuclear Radiation
5	Nuclear and Particle Physics	11	Gravitational Fields
6	Materials	12	Oscillations

A LEVEL EXAMINATION MODEL

Paper 1	90 marks, topics 1-5	30% of A level
Paper 2	90 marks, topics 6-12	30% of A level
Paper 3	120 marks, all topics	40% of A level

All the exams will also include aspects of 'working as a physicist'.

Practical skills are assessed in the written papers. A separate practical competency assessment (pass or fail) will be awarded for the work conducted in class and the laboratory notebook kept by students during the course.



LOOKING FURTHER AHEAD

Last year, our students were studying Physics alongside Maths, Further Maths, Chemistry, Biology, Computer Science, Economics, Geology and Media Studies. This has led them on to a number of different courses at a range of different institutions.

