# A LEVEL PHYSICS
## Exam Board: Edexcel

Sixth Form

### Where do I start from?

For this subject you will need a minimum Grade 7 in Physics (separate science) or 77 (Double Award Science) and Grade 7 in Maths. Students at Northampton School *for Boys* will have studied AQA GCSE Science either as separate sciences or as double award. This is a good general grounding in all the Sciences.

### What will I study?

Salters Horners A level Physics examined by Edexcel.

Physics is about the study of how matter and energy behave in the known universe.

In Y12 you will cover two units which include the topics: Waves, Electricity, Force and Motion, Properties of solids and Quantum effects.

In Y13 you will study another two units which include the topics: Electromagnetism, Communications, Particle Physics and Space.

Across both Y12 and Y13 you will carry out a wide range of practical activities to develop your investigative skills including planning, graph drawing and analysing results.

### How will I be assessed?

Throughout the two years there will be termly assessments and examinations. The three written public examinations will all take place at the end of Year 13.

16 core practicals are completed over the course to enable students to achieve their practical competency, this does not affect their overall grade, but is desired by many universities.

### How will I study?

You will encounter a variety of lesson styles. Class discussion, independent learning, research, note-taking and practical work all have a role to play. There are many resources available on-line to enable you to consolidate learning. This will allow you to read ahead and revise the work completed in lessons.

Physics is a practical subject, and many concepts will be taught through the use of experiments.

Studying A Level Physics successfully requires students to work systematically from the outset and students need to make full use of their time.

### Which subjects combine well with Physics?

Physics involves the application of Maths. It is recommended that you study Mathematics A Level alongside Physics.

Students who study other Science A Level subjects in conjunction with Physics will find that such a combination supports an understanding of concepts that feature in more than one Science A Level.