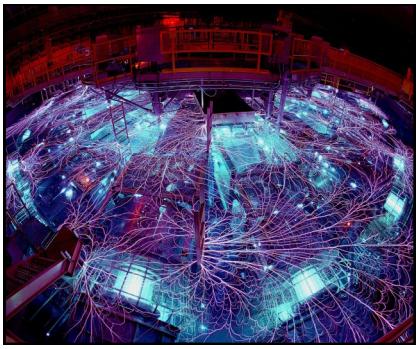
St. Anselm's College

PHYSICS

AQA A Level Physics 7408

COURSE OVERVIEW



Year 12:

Measurements and their errors, particles and radiation, waves, mechanics and materials, electricity, further mechanics (part 1), practical skills.

Year 13:

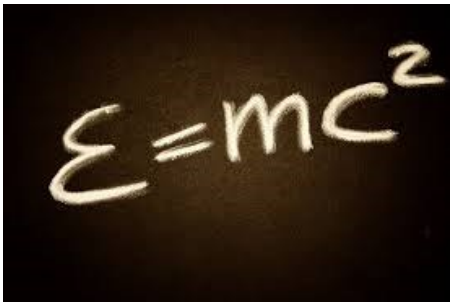
Further mechanics (part 2) and thermal physics, fields and their consequences, nuclear physics, astrophysics, practical skills.

HOW WILL I BE ASSESSED?

Paper 1	Paper 2	Paper 3
What's assessed Sections 1–5 and 6.1 (Periodic motion)	**What's assessed** Sections 6.2 (Thermal Physics), 7 and 8 Assumed knowledge from sections 1 to 6.1	**What's assessed** Section A: Compulsory section: Practical skills and data analysis Section B: Students enter for **one** of sections 9, 10, 11, 12 or 13
Assessed • written exam: 2 hours • 85 marks • 34% of A-level	**Assessed** • written exam: 2 hours • 85 marks • 34% of A-level	**Assessed** • written exam: 2 hours • 80 marks • 32% of A-level
Questions 60 marks of short and long answer questions and 25 multiple choice questions on content.	**Questions** 60 marks of short and long answer questions and 25 multiple choice questions on content.	**Questions** 45 marks of short and long answer questions on practical experiments and data analysis. 35 marks of short and long answer questions on optional topic.

ENTRY REQUIREMENTS

Physics is a demanding subject. Whether you are taking GCSE Separate Sciences of GCSE Combined Science, a grade 7 or better is required. You will also need a 6 (preferably a 7 or better) in GCSE Mathematics.



WHY STUDY THIS SUBJECT?

It is difficult to think of a career where Physics would not be useful. Employers value A level Physics because it combines practical skills, mathematics and open-ended problem-solving. Students studying A level Physics at St Anselm's in the past have gone on to study Medicine, Mathematics, Engineering, Physiotherapy, Sports Science, Pharmacology and a whole host of other subjects at university, as well as Physics.

Physics graduates go into a wide variety of careers, ranging from computer science, financial modelling for the Stock Market and engineering to scientific research in universities or for employers like the Ministry of Defence. Some even go into teaching!

Further Information: Please see:
http://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408/spec-at-a-glance