

Physics

Exam Board: AQA

Specification: A Level :7408

Entry Criteria: Grade 6 in Combined Science or Physics. All students must also have achieved a Grade 5 in English Language or English Literature and Grade 6 in Mathematics. In addition a diagnostic test in the first two week and achieve at least Grade E.

What will I study:

Along side further developing knowledge and understanding in Physics this course also develops scientific enquiry skills, skills in communication and analytical skills to ensure successful application of acquired knowledge.

A Level Units

Unit 1: Measurements and their errors

Unit 2: Particles and Radiation

Unit 3: Waves

Unit 4: Mechanics and Materials

Unit 5: Electricity

Unit 6: Further Mechanics and Thermal Physics

Unit 7: Fields and their consequences

Unit 8: Nuclear Physics

Optional units: students will study one of the following:

Unit 9: Astrophysics

Unit 10: Medical Physics

Unit 11: Engineering Physics

Unit 12: Turning points in Physics

Unit 13: Electronics

Final Qualification: A Level

Progression Pathways:

Students will be able to apply for a range of Physics' programmes including further studies in Pure and Applied Sciences as well as Engineering, Medical Fields, Veterinary Science, Astronomy and Space other research areas.

Course Leader: Mrs G Mansbridge

Specification Link:

<http://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408>