



Physics A Level

Awarding Body: AQA

Entry Requirements

It is expected that students will achieve an A* or A grade in GCSE Physics or Science/Additional Science and an A* or A grade in GCSE Maths.

- Students need to have good mathematical and practical skills.
- Students need to be well motivated and able to research and read around the subject outside of class time.

The full A level Physics specification can be found at:

<http://filestore.aqa.org.uk/resources/physics/specifications/AQA-7408-SP-2015-V1-0.PDF>

Subject Content

1. Measurements and their errors (page 11)
2. Particles and radiation (page 12)
3. Waves (page 17)
4. Mechanics and materials (page 21)
5. Electricity (page 27)
6. Further mechanics and thermal physics (page 29)
7. Fields and their consequences (page 33)
8. Nuclear physics (page 40)

Optional Topic

11. Engineering and physics (page 54)

Assessments

Paper 1

What's Assessed

Sections 1 to 5 and 6.1 (Periodic motion)

Assessed: Written exam 2 hours
 85 marks
 34% of A-Level

Questions: 60 marks of short and long questions and 25 multiple choice questions on content.

Paper 2

What's Assessed

Sections 6.2 (Thermal Physics), 7 and 8

Assumed knowledge from sections 1 to 6.1

Assessed: Written exam 2 hours
 85 marks
 34% of A-Level

Questions: 60 marks of short and long questions and 25 multiple choice questions on content.

Paper 3

What's Assessed

Section A: Compulsory section: Practical skills and data analysis

Section B: Engineering Physics

Assessed: Written exam 2 hours
 80 marks
 32% of A-Level

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.