



A Level AQA Physics

Aims of the course

This course explores the universe by examining the history of our understanding of it. Students will study the logical conclusions drawn by pioneers in physics and the evolution of theories that define our current comprehension of the universe. Development of this logical reasoning is invaluable to the high-tech employers of the modern world and provides the best possible boost to students aiming to study STEM subjects at higher levels.

What is the outline of the course content?

AS and first year of A-level	Second year of A-level
1. Mechanics & Materials 2. Waves 3. Electricity 4. Particle Physics 5. Gravitational Fields 6. Quantum Physics	7. Electric Fields & Capacitors 8. Nuclear Physics 9. Thermal Physics 10. Turning points in Physics

Assessment	Overview	Marks	%
2:00	P1 - Written Paper	85	34
2:00	P2 - Written Paper	85	34
2:00	P3 - Written Paper	80	32
	Practical Endorsement	pass/fail	

What skills will I learn?

Physics fundamentally revolves around experimental inquiry. This program provides numerous opportunities for learners to link abstract theories to practical situations through interactive activities. Furthermore, it emphasizes the development of students' mathematical skills and analytical problem-solving methods. Such abilities are highly valued by employers as well as in higher education.

What careers can A Level Physics lead to?

Over half of all certified physicists are employed in Research and Development, Engineering, and Information Technology fields. While some focus on exploring the cutting-edge aspects of science, others address complex issues that emerge from applying physics to industrial and engineering challenges. A recent study by the IOC revealed that there is an increasing demand for physics-related expertise throughout the UK, with all sectors related to physics offering higher average salaries compared to the overall economy. I recommend looking at a recent IOP report on the Physics jobs market for more info at <https://shorturl.at/HVh29>.

Further information:

Visit the exam specification here:

<https://shorturl.at/zimRO>

Previous grades

	A*	A	B	C	D	E
2023	0	1	1	0	2	0
2024	1	1	1	1	3	0

What are the entry requirements for the course?

Students should have studied GCSE Science at Key Stage 4 and must achieve a grade 6 or higher, including a 6 or higher in the Physics exam, in order that they meet the demands of the Post 16 course. It is also highly recommended that pupils achieve at least a grade 6 in Maths due to the increased mathematical demands of the specification.

Want more information?

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