



Introduction to Post-16 Studies - Physics

Physicists explore the fundamental nature of almost everything we know of. They probe the furthest reaches of the Earth to study the smallest pieces of matter. Join them to enter a world deep beneath the surface of normal human experience.

During the two year course you will learn about the particles (and antiparticles!) that make up our Universe; quantum phenomena (the Physics of very small things); the physics of motion; astrophysics and much more.



Watch this YouTube video

[Some great advice as you start the A-level
Physics course](#)

This will give you some top tips on how to succeed at A-level Physics.



Listen to this radio programme

[The Life Scientific](#)

Jim Al-Khalili discusses quarks, popularising particle physics and nuclear spies in Britain with Professor Frank Close of Oxford University.



Complete these online exercises

[A review of the Atomic Model](#)
(2.1.1 to 2.1.4)

[A review of scalars and vectors](#)
(4.1.1 to 4.1.3)

These will build on your GCSE knowledge and introduce you to new A-level content. A reminder of the nuclear model of the atom and the difference between scalars and vectors.



Watch this and Investigate

[For the Love of Physics – Professor Walter Lewin's Last Lecture](#)

Still bringing Physics to life aged 84, Walter Lewin makes Physics accessible and truly fun. Watch his last full lecture and produce a report to answer **one** of the following questions: what is the Physics of a pendulum?; why is the sky blue and a sunset red? or how does Walter's jet-propelled tricycle work?



Useful Links

The specification for the Physics course:
[AQA Physics \(7408\)](#)

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