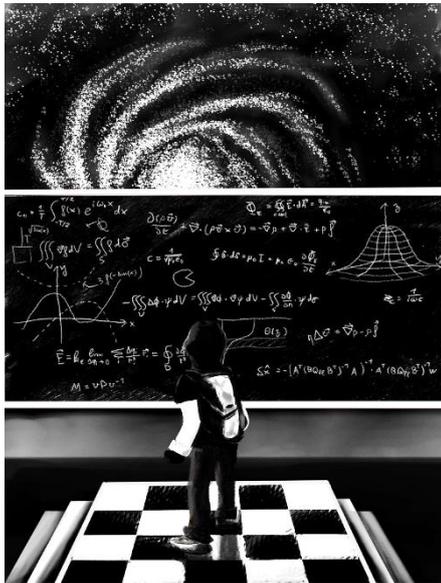




Physics



What our students say:

“Physics is interesting: it has so many real world applications. Physics has taught me the laws and theories that dictate how the universe behaves; tackling issues such as resonance was particularly interesting and learning key skills such as formula manipulation will help throughout my career. Physics allows you to have a deeper understanding of how everything works. Physics allows you to understand and apply what maths skills are used and needed in physics and in the real world.”

Entry Requirements:

5 GCSEs graded 9 – 4, including English (grade 4+) and Mathematics (grade 6+). Grade 5 in Combined Science or in Physics plus one other Science.

Exam Board and Specification Link:

OCR A Level Physics, H556: [OCR Physics specification](#)

What skills will you develop?

Experimentation and investigation, research, presentation, discussion and derivation, understanding and application of principles and formulae.

What will you study?

Year 12

- Unit 1: Practical Skills
- Unit 2: Foundation of Physics
- Unit 3: Forces and motion
- Unit 4: Electrons waves and photons

Year 13

- Unit 5: Newtonian World and Astrophysics
- Unit 6: Particles and medical physics

Why study this subject?

This course will appeal to students who have an interest in developing their knowledge and understanding of physics. Physics tries to explain all the parts of the universe, from the biggest to the smallest, the forces that they exert on each other and the way that these forces behave. In a nutshell, physics is the science of everything! If you’ve ever had an interest in how things work or wondered why the world behaves as it does, then you should be studying physics.



Physics

How will you be assessed?

- Paper 1 : 2 hours 15 mins
- Paper 2 : 2 hours 15 mins
- Paper 3 : 1 hour 30 min
- Practical skills - reported separately

Where can the subject lead?

From accounting, banking, computing, designing, engineering, to pharmacology or even being a zookeeper- the range of possible careers is much wider than you might think! Former students have gone on to study degrees as diverse as architecture, archaeology, specialist physics, theoretical physics, mathematics, engineering, ophthalmology and medicine.

Contact Information

For further information about this course, contact Andrew Williams, Assistant Headteacher/Head of Science, at: awilliams@chenderit.net