



Why study Physics at Formby High School?

Physics at Formby High School has an impressive record of academic success. It is taught in outstanding laboratories by highly experienced and enthusiastic staff. We provide an exciting array of learning opportunities, including current news articles, reading material made available, trips to lectures, guest scientists and former students visiting the school.

A close supportive relationship with Liverpool University exists and students are encouraged to take part in university outreach programmes, including a Particle Physics Master Classes, Nuclear Physics Master Classes and the Nuffield Science Bursary scheme.

What does the course involve?

This is a particularly exciting time in Physics with the particle accelerator at CERN allowing us to observe things that were only theorised about before. The course, while expanding

on classical Physics, will take you through Einstein up to the present day. It will explain the amazing work currently being done in Particle Physics and Cosmology, visit the world of Quantum Physics where your view of reality will be questioned and will also reveal beautiful questions that are still without answers.

In Year 12 you will study:

- Particles, Quantum Phenomena and Electricity
- Mechanics, Materials and Waves
- Investigative and Practical Skills

In Year 13 you will study:

- Fields and Further Mechanics
- Nuclear, Thermal and Astrophysics
- Investigative and Practical Skills

What can the qualification lead to?

A Physics qualification would be useful in any career as it shows the ability to collect information and apply logical processes to the solving of problems. Physicists communicate

effectively and have highly transferable skills.

Other than the more obvious science courses, Physics is very useful for Business and Music Technology courses, amongst others.

To study Physics at degree level, an A Level in Mathematics is essential.

What are the entry requirements?

Students require a grade 6 in GCSE Physics or two grade 6s in GCSE Trilogy Science and a grade 6 in GCSE Mathematics.

Which other subjects complement Physics?

- Biology
- Chemistry
- Further Mathematics
- Geography
- Mathematics
- Music Technology

A Level Physics

Student Viewpoint



"If you're interested in pushing yourself, puzzling through problems and putting into practice the physical laws of nature, then you should strongly consider studying Physics at A Level. I enjoy the diverse challenge that Physics provides and the captivating and charismatic teaching at Formby High School Sixth Form has allowed me to quickly understand concepts - leaving room for me to delve further into the subject during my independent study. Physics qualifications are highly sought after for many top university courses and career paths - studying Physics at A Level can create many opportunities for the future."

Courses will require a minimum number of five students in order to run.