General Enquiries
Tel: 0161 484 6600
Email: info@marple.tscg.ac.uk Website: marple.tscg.ac.uk

MARPLE SIXTH FORM COLLEGE

A Level in Physics

Location	Marple College
Course Type	College 16-18
Department	A Levels
Start Date	Monday 1st September 2025
Course Code	MFQ-ML3L-1113

Course Overview

Physics is crucial to understanding the world around us, the world inside us, and the world beyond us. It is the most basic and fundamental science. It's an exciting and fast-moving science with new discoveries being made every week, particularly in astronomy and particle physics.

When you study A Level Physics, you'll delve into the fundamental theories in physics such as particle interactions, progressive waves, Newton's law of motion, and the doppler effect to name a few.

Depending on the degree you wish to study or the career you aspire to, the A Levels we recommend that you study alongside this course are A Level Maths, A Level Chemistry, or A Level Biology.

Course Requirements

PLEASE NOTE - YOU MUST APPLY FOR 3 A LEVELS

Standard A Level entry requirements: 5 x GCSE grade 5's or above (must include Maths and English Language). However, certain subjects may have additional entry criteria, which can be found below:

Additional Entry Requirements:
A Level Physics will require grade 6 in GCSE Maths
A Level Physics will require grade 6 in GCSE Physics or 66 in Combined Science.

This subject must also be studied alongside at least one other science-based (Maths, Biology, Chemistry, Physics) course.

What You Will Learn

Your experimental skills will develop through a range of core practical's that will allow you to gain the 'practical skills endorsement' at the end of the second year. We offer extra support sessions in addition to lessons, booklets and other resources to enable you to make progress.

Work experience in a field of your choosing is also offered. Examples include engineering, schools and hospitals.

Students have progressed from The Cheadle College to study Physics and variety of Engineering degrees at many top universities.

Assessment

Through written exams. 100% of the course is exam based, students will sit 3 papers. Paper 1 - 34% Paper 2 - 34%Paper 3 - 32%

There is a special practical grade awarded on the basis of the practical reports completed over the two year programme.

Progression

The skills and knowledge gained during your A Level Physics studies are ideal for students looking to pursue a degree in engineering, science, computing, geography, and maths.

Career Options

Beyond university, you could consider careers mechanical, aerodynamic, or civil engineering, energy, and information technology.

Mandatory Units

As well as studying key concepts such as radiation and particle physics, the nature of waves, electricity and the nature of forces, energy and mechanics, you will also be introduced to the concepts of circular and simple harmonic motion, the thermal properties of materials and the nature of ideal gases and molecular kinetic theory.

In addition, you will study the concepts of fields, from gravitational, electrical through to magnetic as well as an in-depth knowledge and understanding of nuclear physics with an option module that includes medical physics, engineering physics and astrophysics.

Contact Details

For further information please contact T: 0161 886 7070 or E: info@trafford.ac.uk

Disclaimer

Although every care has been taken to ensure that the information contained within this document is accurate, there may be changes to this programme and provision. We will endeavour to keep prospective and current students updated where appropriate and when the information becomes available.