

High Aspirations
High Expectations



A Level Mathematics

Further Mathematics

It's Official!
Clarendon Sixth Form College
is a 'Good' college



Building from GCSE level Mathematics you will develop your skills in number, algebra, graphs and trigonometry.

The course is split into Pure and Applied Maths, with two thirds of the course being Pure Maths.

One lesson a week will be dedicated to Applied Maths which is the study of mechanics and statistics. There are no optional modules or units on the standard A-level in Maths. This is the same nationally.

Initially entered for an AS level, this course will typical be your 4th subject with A Level Mathematics being one of the other 3.

A strong grade at AS Level will mean you are able to progress to the second year and sit the full A Level.

The course will look at more advanced mathematics that will prepare you for higher study in Maths, Physics, Engineering or Specified Computer Science.

The course is extremely fast paced and demanding and will offer an exciting challenge to those who achieved top grades at GCSE.



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Courses available:

A Level Mathematics and Further Mathematics

Learning experience:

A Level Mathematics lessons give you the opportunity to develop your logic and problem solving skills. We encourage discussion in lessons and give you an environment where you can ask questions and work with your peers.

You will attend 3 x Further Maths lessons each week. You must be very confident with algebraic manipulation and prepared to work on problems outside of lesson. Once enough core maths has been covered we will move on to advanced mechanics.

Progression routes:

On successful completion of A Level Mathematics, you can progress onto university level study in most Scientific and Engineering degree courses including Accountancy, Banking, and Computer Science.

Further Maths is incredibly beneficial for those wishing to study maths or physics at university. For those wishing to study at the best ranked universities, it is essential.

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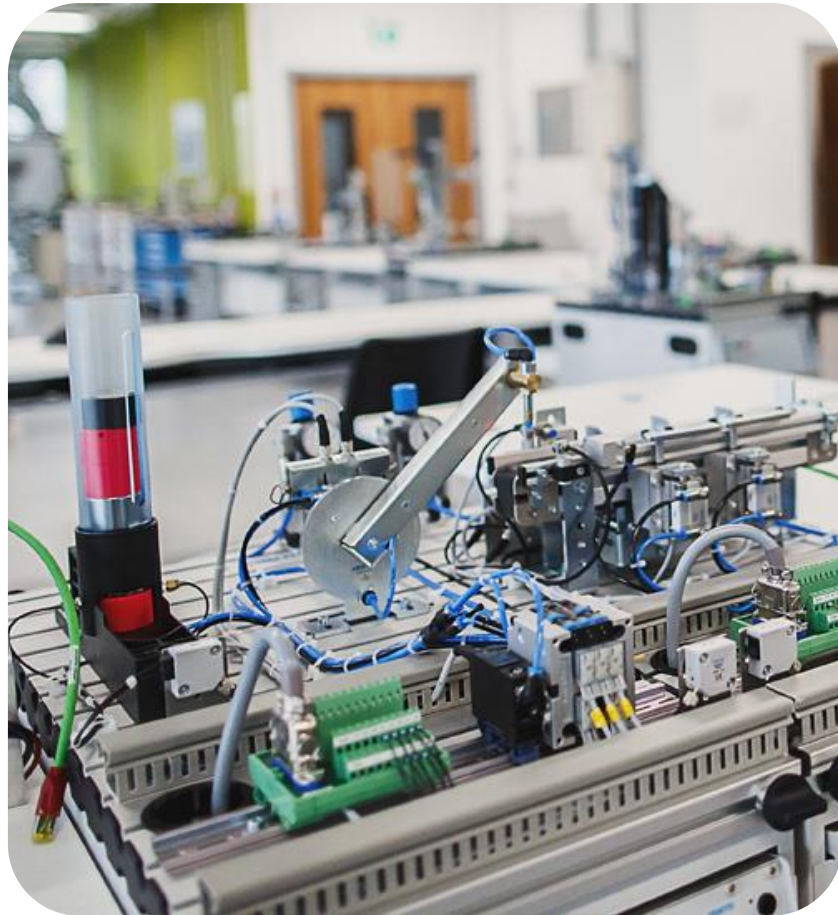
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Engineering (Vocational A Level)

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Throughout this 2 year course you will study 6 Units in total which will include a core unit of Health & Safety and a mix of mechanical and electrical units to give an overview of a range of engineering disciplines.

Units could include: Maths for Engineering Technicians, Mechanical Principles, Electrical Principles, Engineering Materials, Computer Aided Design and Digital & Analogue Devices.

Assessments are assignment based and are ongoing throughout the duration of the course. You will learn through a variety of teaching methods which will aim to meet the needs of each individual and accommodate different learning styles for example: group work, practical work, projects, extended writing and interactive activities.

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Courses available:

Engineering (Vocational A Level)

Learning experience:

The units covered have been developed to meet the needs of industry and link to many areas of engineering employment or further study within the engineering sector. You will use the latest industrial machinery, equipment and industry standard software to support your development and skills

Progression routes:

On successful completion of this qualification you can progress onto:

- Extended Diploma in Engineering
- Higher Level Apprenticeship programme within the engineering sector
- Direct entry to University (when combined with 2 other subjects as part of a study programme)

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STUDENT SPOTLIGHT

Lewis Kelsall



Attended:
The Co-Op Academy, Failsworth

Study Programme:
Maths – A*
Further Maths – A*
Physics – A
Business Studies – B

Progression:
Cambridge University
Engineering

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