

Mathematics

Exam Board: EdExcel



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Course Summary

A Level Mathematics aims to ensure you understand mathematics and mathematical processes in a way that promotes confidence, fosters enjoyment and provides a strong foundation for progress to further study.

You will extend your range of mathematical skills and techniques and consider how different areas of mathematics are connected. You will build your awareness of the relevance of mathematics to the world of work and to society in general. Using mathematical knowledge to make logical and reasoned decisions, you will build your ability to communicate your mathematical rationale for solving problems both within pure mathematics and in a variety of contexts. You will learn to represent situations mathematically, apply mathematical models, and read and comprehend mathematical arguments, including justifications of methods and formulae, and communicate their understanding.

A Level Mathematics will extend and develop your use of algebraic techniques to solve problems in a variety of mathematical contexts. This includes calculus, trigonometry and coordinate geometry (graphs). You will also apply your skills to problems in statistics (data handling and probability) and mechanics (objects moving, or not, in the real world).

Entry Requirements

Grade 6 or higher in GCSE Mathematics is required. To be successful you need to be confident with algebra and enjoy Maths!

Course Assessment

This is a linear course. This means that students opting for an A Level in this subject will be committing to a two-year linear course with all units examined at the end of Year 13.

Where might it lead?

A Level Mathematics is an excellent foundation from which students can pursue a range of higher education and employment options. These include medicine, sciences, finance, social science and computing.

Students wishing to study Mathematics itself at university, or apply for engineering at certain universities, are advised to take Mathematics and Further Mathematics.



Students take comprehensive notes and work through examples and practice questions in class to consolidate their learning. There are also lots of opportunities for group work and teachers are very supportive and helpful.

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