Further Mathematics

Exam Board: EdExcel

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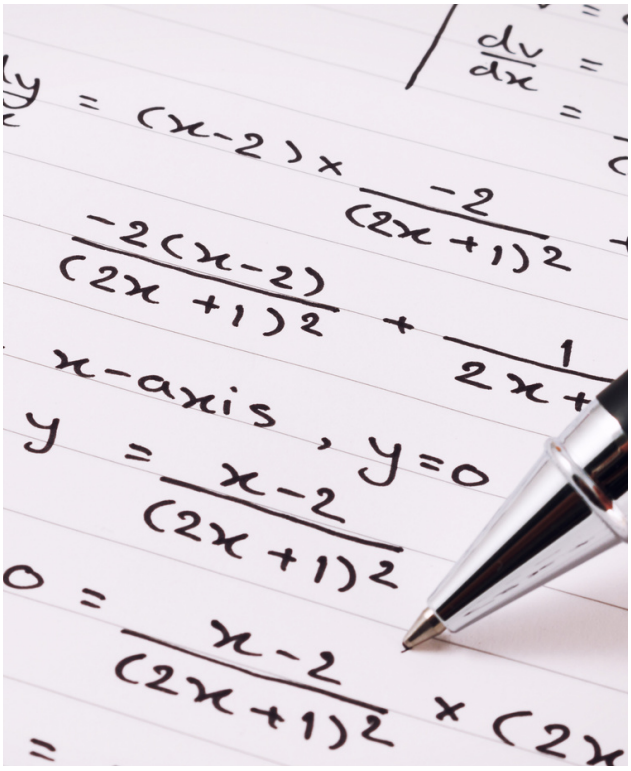

Course Summary

Opting for Further Mathematics means you are taking two A Levels in Mathematics – Mathematics and Further Mathematics. This means you have eight hours of Mathematics lessons per week (as well as Independent Study time) to extend and develop your understanding of Pure Mathematics (algebra, trigonometry, calculus, coordinate geometry) to solve problems, and apply your skills in Statistics (data handling and probability) and Mechanics (how and whether things move).

Further Mathematics challenges you to demonstrate a greater depth of understanding, analysis, evaluation and problem solving. You will learn to construct rigorous mathematical arguments, make deductions and inferences and explain your reasoning (using mathematical language and notation correctly).You will translate situations into mathematical model, evaluate the outcomes, recognise the limitations of models and, where appropriate, explain how to refine them.

A Level Further Mathematics requires the ability to enjoy the challenge and satisfaction of solving complex problems.

Entry Requirements

Grade 7 or higher in GCSE Mathematics is required.

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?

Anything you want! Almost any further education course or job values A Level Further Mathematics highly.

If you wish to study Mathematics itself at university, or apply for engineering at certain universities, you are advised to take Mathematics and Further Mathematics. It is also recommended for some courses in the physical sciences and computing.

> "If you choose Further Mathematics you should love Maths and want to spend a lot of time doing Maths! The students in the class have a maths addiction; the lessons and the subject become like a family. The class atmosphere is amazing and the teachers are very supportive. ANYA"