



A LEVEL

FURTHER MATHS

Course Summary

COURSE OVERVIEW

Further Mathematics extends the skills learned in A Level Mathematics, exploring advanced concepts in greater depth. It includes pure mathematics, further statistics, mechanics, and decision mathematics. Students develop strong analytical and problem-solving abilities, preparing for degrees in mathematics, engineering, physics, computer science, and related fields.

WHY SHOULD I STUDY FURTHER MATHS?

Studying Further Mathematics challenges you to think deeply and logically, building advanced problem-solving and reasoning skills. It strengthens understanding of complex mathematical concepts and supports success in subjects like physics, engineering, computer science, and economics. It's highly valued by universities and employers for its rigour and intellectual demand.

WHAT COURSES CAN THIS PREPARE ME FOR AT UNIVERSITY?

Mathematics, engineering, physics, computer science, economics, and actuarial science. It is also highly beneficial for data science, architecture, finance

WHAT CAREERS CAN THIS SUBJECT SET ME UP FOR?

Engineering, data science, finance, actuarial science, computer programming, research, teaching, artificial intelligence, economics, architecture, and statistics.

COURSE SPECIFICATION

EXAM BOARD: EXEDCEL 9MF0

Paper	Content	Duration	Weighting
1	Core Pure Mathematics 1 - advanced mathematical concepts including complex numbers, matrices, algebra, and functions.	1 hour 30 mins	25%
2	Core Pure Mathematics 2 - complex numbers, advanced algebra and functions, further calculus, polar coordinates, hyperbolic functions.	1 hour 30 mins	25%
3	Applied mathematics	1 hour 30 mins	25%
4	Applied mathematics	1 hour 30 mins	25%