A Level Further Mathematics

What will I study?

Further Mathematics is designed for students who have a strong interest in mathematics and wish to deepen their understanding beyond the standard A level Mathematics course. You will study advanced topics such as complex numbers, matrices, differential equations, and further calculus. The course also includes discrete mathematics, decision mathematics, and mechanics, depending on the options offered. This subject is intellectually challenging and highly rewarding, providing excellent preparation for mathematically demanding university courses.

How will I be assessed?

Assessment is through written examinations at the end of the course. These exams will test your understanding of both core and optional topics, including problem-solving and mathematical reasoning. There is no coursework component.

What are the entry requirements?

You will need GCSE Maths at grade 8 (or grade 7 subject to discussion with a Further Maths teacher) and GCSE English Language at grade 5, and you must also take A Level Mathematics alongside this course, with Further Mathematics available as a fourth subject.

Where will this course lead?

Further Mathematics is highly regarded by universities and employers, especially for courses and careers in mathematics, engineering, physics, computer science, and economics. It provides a strong foundation for studying mathematics or related subjects at university, and is particularly beneficial for competitive degree programmes. You may also choose to continue your studies at Milton Keynes College through one of our Higher Education programmes or degree-level apprenticeships.

What combines well with this subject?

Further Mathematics combines well with Physics, Computer Science, Economics, and Chemistry. It is especially useful for students aiming to pursue STEM-related degrees or careers.