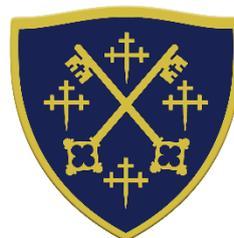


A Level: Further Maths

Specification: Edexcel



**BISHOP
STOPFORD
SCHOOL**
Sixth Form
faith | justice | responsibility | truth | compassion

A-level Further Mathematics is a stimulating course for students who want to deepen their understanding of maths and take on more advanced topics like complex numbers and matrices. It's perfect for those aiming for top university courses in maths, physics, engineering, or economics. Further Maths strengthens your problem-solving skills, sharpens logical thinking, and sets you apart academically — opening doors to exciting opportunities in higher education and beyond.

Subject Content

Pure Mathematics - Develops your understanding of advanced mathematical concepts and techniques, forming the foundation of the Further Maths course.

Proof, complex numbers, matrices, further algebra and functions, further calculus, further vectors, polar coordinates, hyperbolic functions, differential equations.

Decision - This module introduces algorithms and problem-solving strategies used in computing, logistics, and operational planning—perfect for those curious about how maths powers modern systems.

Covers algorithms, graph theory, linear programming, and critical path analysis.

Further Mechanics - Ideal for students interested in physics or engineering, this module explores the mathematical principles behind motion, forces, and energy.

Includes momentum, circular motion, centres of mass, and energy principles.

Exam Assessment

The full A-level qualification is assessed through **four exam papers**, each lasting **1.5 hours**.

Paper 1 & 2: Core Pure Mathematics

Paper 3: Decision

Paper 4: Further Mechanics

All exam papers are **calculator-allowed**, each contributes **25% of your final grade**, and a **formulae booklet** is provided during the exam to support your working.

For more information or guidance about A-Level Maths, please speak to:

Head of Mathematics

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Key Stage 5 Maths Lead

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