

FURTHER MATHEMATICS

Course Length:	Studied over two years
Examination Board:	AQA
Course Leader:	Mr A Barnhurst (barnhurst@queenelizabeths.derbyshire.sch.uk)

Further maths is a fantastic qualification to further demonstrate to universities the true extent of your academic capabilities. An A-level in further maths, far from narrowing down your options can open many doors, as it clearly shows your ability to grasp abstract concepts and apply them to unfamiliar situations. We have a long history of success in Further Maths at QEGS, and our students thoroughly enjoy the course.

AS Level	A2 Level
This extends the knowledge and skills studied in A-Level Mathematics. The study areas are Algebra and Graphs, Roots of Quadratic Equations, Series, Calculus, Numerical Methods and Trigonometry. New topics introduced are Complex Numbers and Matrices, along with applied mathematics.	This assumes prior coverage of A-Level Mathematics and goes deeper into Calculus. Differential Equations of first and second order are studied in detail. Other topics on the programme of study are polar co-ordinates, complex numbers, matrices, trigonometry and vectors. There will be work on applied mathematics alongside this.

Assessment			
Paper No.	Assessment	AS %	A2 %
Paper 1	Written Exam: 1hr 30min	50%	-
Paper 2	Written Exam: 1hr 30min	50%	-
Paper 1	Written Exam: 2hr	-	33.3%
Paper 2	Written Exam: 2hr	-	33.3%
Paper 3	Written Exam: 2hr	-	33.3%