

MATHS

Further Mathematics



Examination Board: Edexcel
Subject Leader(s): Mrs E Stevens



Course Structure

Unit	Topics/Unit Title	Assessment	A Level (%)
1	Further Pure Mathematics 1	1.5 hour assessment	25%
2	Further Pure Mathematics 2	1.5 hour assessment	25%
3	Further Mathematics Option 1	1.5 hour assessment	25%
4	Further Mathematics Option 2	1.5 hour assessment	25%

What does the course involve?

A Level further mathematics will develop students' knowledge and skills in three overarching themes:

- Mathematical argument, language and proof
- Mathematical problem solving
- Mathematical modelling

The use of technology, in particular graphical calculators, graphing tools and spreadsheets will permeate the study of further mathematics.

You will look at some mathematics topics in more depth or more complex situations and you will study some content exclusive to further mathematics.

For more detailed topics please talk to your maths teacher.

Further Study/Employment Prospects

Further mathematics is considered very desirable by universities if you are wishing to study mathematics, engineering or any mathematics-related degree course. The list of careers that mathematicians go into is endless from accountancy to ecology, statistical analysis to computing, engineering to medical research. Good mathematics qualifications give you a very high employability rating.

Entry Requirements

Grade 7 or higher in GCSE Mathematics.

Perfect for strong mathematicians who are considering a career in a STEM subject or those who want to take their studies to the next level. The course covers a myriad of exciting topics including complex numbers, matrices and hyperbolic functions, alongside Decision Maths which develop your ability to critically analyse processes and algorithms to ensure the solutions to real life problems are optimal.