

FURTHER MATHEMATICS – A Level



MendipSixth

“Go down deep enough into anything and you will find mathematics.” *Dean Schlichter*

Overview

A Level Further Mathematics both broadens and deepens mathematical knowledge. Focusing mainly on pure mathematics (including complex numbers, matrices, hyperbolic functions, conic sections) the work is underpinned by further statistics, mechanics and decision mathematics.

Year 12

Learn about complex numbers, matrices, poisson distribution, binomial distribution, conic sections, induction, further numerical methods, momentum and collisions, series, linear Programming and critical path analysis.

Year 13

Building on previous work you will be learn about circular motion, energy, differential equations, Spearman’s Rank Correlation, further complex numbers, hyperbolic functions and Chi squared distribution.

Assessment method

At the end of Year 12 you will sit end of year exams, these will not count towards your final results.

There are four final written examinations at A level.

Additional information

In addition to homework you will also be expected to carry out a minimum of 5 hours independent study per fortnight in each subject studied. You will be expected to solve problems, complete exercises and complete practice exam papers.

Students require a calculator with the same functionality as the Casio Classwiz FX-991. Students will be able to purchase these through the school at the start of the course. Course books will be made available digitally, and students will also have the option to buy a physical copy at the start of the course.

Entry requirements

Five GCSE Grade 6 to 9 including English. Students require a GCSE Grade 8 in Maths.

For more information contact

Mr G Farr
gfarr@mendipstudioschool.org.uk

Futures

An excellent entry into the majority of sectors and graduate courses; Engineering, Ecology, Financial Sector.

Exam board

