

FURTHER MATHS

Edexcel A Level

Code: 9FMO

Taught hours per week: 6 hours

Course Leader: Miss S Wilkinson

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Course Content

Core Pure 1 & 2

Proof
Complex numbers
Matrices
Further algebra and functions
Further Calculus
Further Vectors
Polar coordinates
Hyperbolic functions
Differential equations

Decision 1

Algorithms and graph theory
Algorithms on graphs
Critical path analysis
Linear programming

Further Mechanics 1

Momentum and Impulse
Work, energy and power
Elastic strings and springs
Elastic collisions in one and two dimensions



Assessment

Pure Mathematics:

2 x 1 ½ hour written examinations

Applied Mathematics:

2 x 1 ½ hour written examination

Each examination is 25% of the final grade

Entry requirements:

Minimum grade 8 in GCSE Mathematics

