

Further Maths

Edexcel

Year 12

Further Pure Maths - Complex numbers, matrices, roots of polynomials. Pure maths with plenty of algebra. Useful for Engineering and Maths degrees.

Further Mechanics – Kinematics, forces, momentum
Complements the Mechanics studied at the start of the Physics course, this is all about motion and forces.

or

Further Statistics – Distributions
A step on from Statistics 1, this module looks at how naturally occurring phenomena can be modelled.

or

Decision

Assessment

Two exams of 1 hour and 40 minutes.

Year 13

Further Pure Maths – Rational functions, polar graphs, numerical methods. Pure Maths mainly looking at the algebra around graphs and trigonometry

Further Mechanics – Centre of mass, energy, work and power, projectiles. Again complementing the A level Physics course, this module looks at more complex motion; a good preparation for Mechanical Engineering.

or

Further Statistics

or

Decision

Assessment

Four 1 ½ hour exams.

Links Well With:

Further Maths links particularly well with Physics, Chemistry and Product Design

Progression Routes:

Further Maths is a facilitating subject and can lead to careers in Engineering, Physics, Maths and Accountancy

Entry Requirements:

GCSE Grade 8 in Maths is recommended but Grade 7 may be considered after discussion with the Head of Maths.