



MATHEMATICS

Exam Board: AQA

Curriculum Leader: Dawn Crichton

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ASSESSMENT:

- Paper 1 – Core Maths
- Paper 2 – 50% Core Maths and 50% Mechanics
- Paper 3 – 50% Core Maths and 50% Statistics

SUBJECT SPECIFIC ENTRY CRITERIA:

5 GCSE grades 9-5, including English and Mathematics, and a grade 6 in GCSE Mathematics.

KEY INFORMATION:

This new linear course, designed with the help of higher education institutions, helps equip students with a strong understanding of higher level mathematics including an increased use of technology. The course involves a holistic, non-modular approach to mathematics with problem solving and modelling being central. The course is assessed at the end of year 13 and involves 3 two hour exams (all calculator). Two thirds of the course is Core Maths, one sixth mechanics and one sixth statistics.

Paper 1 assesses core content of proof, algebra and functions, coordinate geometry, sequences and series, trigonometry, exponentials and logarithms, differentiation, integration and numerical methods.

Paper 2 will be split into two equal sections – the first will assess topics covered in paper 1 and the second section will focus on mechanic topics of vectors, quantiles and units in mechanics, kinematics, moments and forces and Newton's Law.

Paper 3 will also be two equal sections – the first will again assess core topics from paper 1 and the second section will focus on statistics topics of sampling, data presentation and interpretation, probability, distributions and hypothesis testing.



POSSIBLE CAREER PATHS:

- ➔ Medical career including; doctor, surgeon, veterinary surgeon and dentist
- ➔ Educational career; primary, secondary or higher educational teaching/lecturing
- ➔ Accounting and Banking

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