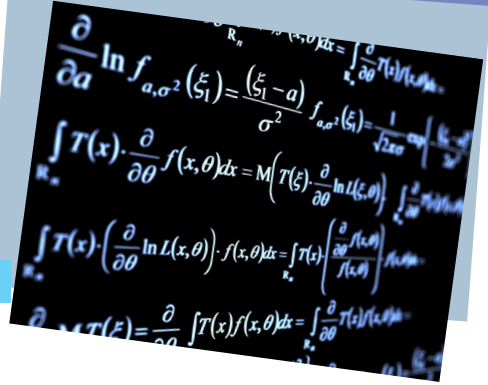


FURTHER MATHEMATICS

Curriculum Leader: Dawn Crichton

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UNITS:

- Further Pure 1 (MFP1)
- Further Pure 2 (MFP2)
- Statistics 2 (SS2B)

SUBJECT SPECIFIC ENTRY CRITERIA:

Grade 7 or above in GCSE mathematics.

KEY INFORMATION:

Advanced Subsidiary (AS) Level GCE:

This involves one year of study that is assessed over three modules. The exams for each of the three modules are taken in the summer term. The three modules we offer at AS level are:

Further Pure 1: Algebra and graphs; Complex numbers; Series; Calculus; Numerical methods; Trigonometry; Matrices and transformations.

Further Pure 2: Relationship between roots and coefficients of a polynomial; The Cartesian and polar coordinate forms of complex numbers; The sum, difference, product and quotient of two complex numbers; Simple Loci in the complex plane; Applications to sequences and series and other problems.

Statistics 2: Discrete random variables; Poisson distribution; Continuous random variables; Estimation; Chi squared test; 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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