

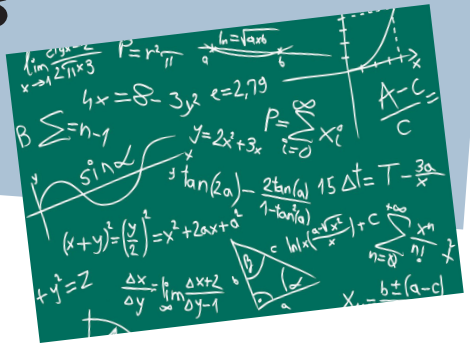
CORE MATHEMATICS

Curriculum Leader: Dawn Crichton
Primary Contact: Sarah Oldman

✉ soldman@heanorgate.derbyshire.sch.uk

UNITS:

- Core 1 (MPC1)
- Core 2 (MPC2)
- Statistics 1 (SS1B)



SUBJECT SPECIFIC ENTRY CRITERIA:

Grade 6 or above in GCSE mathematics.

KEY INFORMATION:

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:

Core 1: Algebra; Co-ordinate geometry; Surds and indices; Differentiation; Integration

Core 2: Graphs and transformations; Trigonometry; Sequences and series; Exponentials and logarithms; Differentiation; Integration.

Core 3: Probability; Normal distribution; Binomial distribution; Correlation coefficient; Regression; Central limit theory; Sampling and estimation.

Within the first six weeks of the AS course students will be assessed at three points. These assessments focus largely on topics from the GCSE Mathematics higher course as well as some of the early topics from the Core 1 module. The assessments are used to inform decisions as to whether students are suitable to continue with the course. Mathematics is demanding at AS level and requires students to have good prior knowledge combined with the ability to work independently.



POSSIBLE CAREER PATHS:

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

PREVIOUS RESULTS:

A*-B 76.5%



JOIN US AT

HEANOR GATE SIXTH FORM