

Further Mathematics

Exam Board: Edexcel/Pearson

Specification: Whilst the specification for A Level Mathematics is identical across all exam boards there is an element of choice for Further Mathematics. Students will be studying Further Pure Mathematics (which is common to all exam boards) and Further Mechanics and Decision Mathematics.

Entry Criteria:

GCSE Grade 8 Mathematics and be studying A level Mathematics. All students must also have achieved a GCSE Grade 5 in English Language or English Literature.

What will I study:

Maths includes the study of Algebra, Calculus, Geometry and Trigonometry. Further Mathematics includes material that would be typically covered in an undergraduate course and will also include Further Mechanics (circular motion, work, energy, power, projectiles) and Decision Mathematics (route finding, optimisation, sorting and project management).

Linear A Level:

Further Mathematics is a linear A Level meaning that all the exams will take place at the end of Year 13 and will test all the material that has been covered over 2 years. There is a greater emphasis on problem solving, modelling and reasoning in the new A levels but they are of the same standard as previous A Levels. Mathematics is the only subject to offer two A Levels in the same area.

Final Qualification: A Level

Progression Pathways:

Mathematics itself has many different branches and most maths related degree courses allow flexibility in changing course after the first year. Maths is especially valuable for the study of Science, Engineering, Architecture, Economics, the Medical Sciences and Research. Further Mathematics is the most facilitating subject and is incredibly useful for further Scientific or Mathematical based studies.

Course Leader: Mr Dowling

Specification Link: <https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html>