

AS/A2 MATHEMATICS AND FURTHER MATHS

Entry requirements:

Grade B GCSE for AS and A Level courses.
Grade A GCSE for Further Mathematics courses.

Progression into Y13 to study A2 modules will only follow success at AS Level.

Examination board:

OCR

Teachers:

N Hayden, I Ayomidele, J Baldwin, P Leon,
M Bragg, R Gilbertson, P Webb, S Wilks,
R Kirke, D Neath

Timetable organisation

AS/A2 – 5 lessons per week with 2 different teachers. In addition, one tutorial lesson per week.

AS – Further Mathematics 6 lessons per week with 2 different teachers

A2 – Further Mathematics 9 lessons a week with 3 different teachers.

Main Syllabus areas

AS Mathematics: students will follow two modules of Core Mathematics and Statistics 1.

A Level Mathematics: students will complete a further two modules of Core Mathematics and Mechanics 1.

AS Further Mathematics: as A level Mathematics plus a further Pure module, Statistics 2 and Decision 1

A Level Further Mathematics: as AS Further Mathematics plus two further Pure modules and Mechanics 2

Method of assessment

AS (Advanced Subsidiary) will comprise of 3 assessed modules and represents the first half of a full A Level course. This will be assessed in June of Y12.

A Level Mathematics will comprise of a further 3 modules assessed in January and June of Y13.

For AS and A2 Further Mathematics modules will be assessed in January and June of Y12 and Y13.

AS Further Mathematics is not awarded until the end of Y13. Students will be awarded A Level Mathematics and AS Further Mathematics.

Method of assessment continued

Further Mathematics is equivalent to taking 2 A Levels. Students completing this course will be awarded A Levels in Mathematics and Further Mathematics.

Qualities required

Students should have a keen interest in Mathematics and a possible desire to study Mathematics at University though this is not essential. All courses require a commitment to hard work outside the classroom, at least as many hours private study as you have lessons, and willingness to talk to your teachers and seek help when you know you need it.

"Maths is a highly enjoyable and rewarding subject. It is very demanding but there is a high sense of achievement when it comes to problems solving. All the teachers are very approachable about anything and are always willing to help."

Links with other subjects

Core and Statistics – Geography, Economics, Biology, Sports Studies, Psychology, Sociology.

Core and Mechanics – Physics, Chemistry, Technology.

Core and Discrete – Computer Studies, Technology.

Further Mathematics – This course links with all of the above.

Career prospects

Career prospects are infinite. Mathematics opens up the possibility of careers in medicine, banking and insurance, commerce, marketing, accountancy, engineering, research and design, education, government and public services, research statisticians, managers, administrators, manufacturing, industry and the armed forces to name but a few. Naturally, A Level Mathematics is a very highly valued subject in the eyes of universities and other institutes of Higher Education.

Extension and enrichment opportunities

University Master classes
National Maths Challenges
National Cypher challenges