

MATHEMATICS AND FURTHER MATHEMATICS

Subject title	Mathematics Further Mathematics
Exam board	Edexcel
Specification number	Maths – 9MA0 Further Maths – 9FM0
Time allowance each week	4.5 hours (Y12)/5 hours (Y13)

CONTENT

The A level course consists of three strands: Pure; Statistics and Mechanics, taught throughout Years 12 and 13.

MATHEMATICS

The Pure topics will deepen and extend students' knowledge of algebra. They will also be introduced to new areas of mathematics such as calculus, infinite series, numerical methods as well as extending topics they have previously covered such as trigonometry.

The Statistics topics will extend their knowledge of statistical sampling; data interpretation and probability as well as introducing them to the use of statistical distributions and hypothesis testing.

Mechanics deals with the motion of objects and how they respond to forces acting on them and includes topics such as kinematics, forces and Newton's Laws.

ASSESSMENT

There are three equally weighted exams; two containing the Pure topics and one containing the Statistics and Mechanics topics. These are all sat at the end of Year 13, are all 2 hours long and are marked out of 100.

FURTHER MATHEMATICS

Students will extend their learning in the three areas studied above: Pure; Statistics and Mechanics. They will cover topics such as complex numbers; matrices; further hypothesis testing and elastic collisions.

ASSESSMENT

There are four equally weighted exams; two containing the Pure topics; one containing the Statistics topics and one containing the Mechanics topics. These are 1.5 hours each and marked out of 75.