

Mathematics

(Exam Board: Edexcel)

Subject Leader:

Mr M Roden

What do I need?

Students who achieve a grade 7 or higher are more likely to be prepared and able to access the A level course. Students who achieve Grade 6 at higher level are likely to need more preparation to cope with the transition between GCSE and A level and will be expected to commit more time outside of lessons, especially in the first term. All students need to be particularly familiar with algebra and confident in solving all types of linear equations, simultaneous equations and quadratics. However, all students applying to study A level will be expected, to complete a series of transition work in the summer prior to the start of term. This work will finish with a short interview at the start of the year to ensure students have made a well-informed decision in starting the course.

What will I learn?

Two thirds of the course is based on Pure Mathematics, covering concepts in Algebra, Calculus, Trigonometry and Geometry. The remaining part of the course works on Statistics (the maths of decision making in the face of uncertainty) and Mechanics (the maths of how to describe the world of forces and motion).

How will I be assessed?

There are 3 exams of 2 hours, all at the end of Year 13. The first two assess the Pure Mathematics and the final exam assesses the Statistics and Mechanics.

Is there anything else I need to know?

Mathematics combines well with all the Sciences, Geography, Economics and Music. Maths qualifications are highly valued by both those in Higher Education and employers too.