

# Mathematics AS Level

Edexcel  
**Course Tutor**  
Mrs J Sizeland

Category	Information
<b>Course entry requirement</b>	General A Level entry requirements plus you need to have obtained a grade 6 or above at GCSE.
<b>Course description</b>	<p>This is a two year course.</p> <p>AS Maths can be taken in addition to any other three A Levels, to support students' other subjects and provide an additional qualification. It will run as two early morning session each week over two years.</p>
<b>Coursework</b>	There is NO coursework.
<b>Final Examination</b>	<p><b>Paper 1: Pure Mathematics</b></p> <p>Written examination: 2 hours 62.5% of the qualification, 100 marks</p> <p><u>Topics:</u> Proof; Algebra and functions; Coordinate geometry in the (x,y) plane; Sequences and series; Trigonometry; Exponentials and logarithms; Differentiation; Integration; Vectors.</p> <p><b>Paper 2: Statistics and Mechanics</b></p> <p>Written examination: 1 hour 15 minutes 37.5% of the qualification, 60 marks</p> <p><b>Section A: Statistics</b></p> <p><u>Topics:</u> Statistical sampling; Data presentation and interpretation; Probability; Statistical distributions; Statistical hypothesis testing.</p> <p><b>Section B: Mechanics</b></p> <p><u>Topics:</u> Quantities and units in mechanics; Kinematics; Forces and Newton's laws.</p> <p>Students must answer all questions. Both papers allow the use of calculators.</p>
<b>Post-18 Opportunities and Employment</b>	Universities will look favourably upon an additional Maths qualification at AS level.