

# Mathematics

A-Level

Exam Board: **edexcel**



## ENTRY REQUIREMENTS

**7+**

in GCSE  
Maths

\* If offered a provisional place on the course, students will be required to take an initial assessment in September in order to decide whether they will be suitable for A level

## SUBJECT OVERVIEW

Maths is a very popular yet demanding course. Students who are accepted onto the course will be expected to apply themselves in class and independently to a consistently high standard and your teachers will offer dedicated support throughout. It is a very rewarding course and although demanding, is an excellent subject to take and opens many doors for the future. The majority of our A level mathematicians continue to study Maths at university in some form, either as a Maths degree or a degree involving a high level of maths such as Finance. Maths is now a Linear A level and will only be examined at the end of year 13. The course contains Pure and Applied Maths, which are both compulsory




TOPICS/UNITS/MODULES	Skills Learnt
Pure Mathematics: Algebra and functions, Coordinate Geometry, Calculus, Trigonometry, Sequences and Series, vectors	<ul style="list-style-type: none"><li>• Problem Solving</li><li>• Algebraic manipulation</li><li>• Logic and reasoning</li></ul>
Mechanics	<ul style="list-style-type: none"><li>• Analytical thinking</li><li>• Technical communication</li></ul>
Statistics	<ul style="list-style-type: none"><li>• Data analysis</li><li>• Attention to detail</li><li>• Hypothesis testing and research</li></ul>


## EXAMINATION/ASSESSMENT

66%

17%

17%

 Papers 1 + 2 covering the Pure content

 Paper 3 –covering the Applied content (Stats and mechanics)

## Careers

- Finance and banking
- Engineering
- Data Science and Technology
- Technology and Computer Science
- Science and Healthcare
- Logistics and operations
- Architecture and design
- Government and Public Policy