

Mathematics

Years 9,10 and 11

GCSE Mathematics – Edexcel

The study of GCSE Mathematics starts in Year 9 and is completed by the end of Y11

Students who are currently in years 9, 10 and 11 are following specifications in the new GCSE for Mathematics and these are 100% examined qualifications. Fundamentally the subject breaks into the following sections:

- Number
- Algebra
- Ratio, proportion and rates of change
- Geometry and measures
- Probability
- Statistics

All of these will also be tested from a problem solving angle. There are two tiers of entry, Foundation and Higher. Number grades are now awarded for GCSE Mathematics on a 1-9 scale, with 1 being the lowest and 9 the highest.

The content is tested by 3 exam papers each 1.5 hours in length. Paper 1 is non-calculator and Papers 2 and 3 are calculator.

Post-16 (new specification for first teaching September 2017)

A Level Mathematics - Edexcel

The study of A Level Mathematics starts in Year 12 and is completed by the end of Y13

A Level maths is studied by students who are in years 12 and 13 and for all post-16 Mathematics qualifications they are 100% examined qualifications. Fundamentally the subject breaks into the following sections:

- Pure Mathematics
- Mechanics
- Statistics

All students must study material in these three areas, there are no options.

The content is tested by 3 exam papers at the end of Year 13 each 2 hours in length. Papers 1 and 2 are based on the Pure Mathematics and Paper 3 will be based on Mechanics and Statistics.

AS Level Mathematics/Core Mathematics - Edexcel

We are currently investigating which of these two qualifications is more suitable for our students and we are still waiting for the examination boards to fully certify the specifications.

A Level Further Mathematics - Edexcel

The study of A Level Further Mathematics starts in Year 12 and is completed by the end of Y13

A Level Further Maths is studied by students who are in years 12 and 13 and for all post-16 Mathematics qualifications they are 100% examined qualifications. Fundamentally the subject breaks into the following sections:

- Further Pure Mathematics
- Further Mechanics
- Further Statistics
- Decision Mathematics

The content is tested by 4 exam papers at the end of Year 13 each 1.5 hours in length. Papers 1 and 2 are based on the Further Pure Mathematics and Papers 3 and 4 will be based on chosen options in Further Pure Mathematics, Further Mechanics, Further Statistics or Decision Mathematics.

AS Level Further Mathematics - Edexcel

AS Level Further Maths is a 100% examined qualifications. Fundamentally the subject breaks into the following sections:

- Further Pure Mathematics
- Further Mechanics
- Further Statistics
- Decision Mathematics

The content is tested by 2 exam papers each 1.5 hours in length. Paper 1 is based on the Further Pure Mathematics and Paper 2 will be based on chosen options in Further Pure Mathematics, Further Mechanics, Further Statistics or Decision Mathematics.

Oxford/Cambridge Entry

We support students for entry to both Oxford and Cambridge.

For Oxford entrants, an exam is sat in November of Year 13 called the MAT (Mathematics Admissions Test). If students do well enough on this exam, they will be invited for interview. If they are successful in interview, they will be given an offer of a place for the following academic year.

For Cambridge entrants, an exam is sat in the summer of Year 13 called the STEP paper (Sixth Term Examination Paper). Students will have to match their offer grades with a good grade on this paper to given a place at Cambridge. A number of other universities require the STEP paper to be sat, such as Warwick, Imperial College London, University College London and Bath.