

Key Stage 5 - Level 3 Mathematics

Year 1:

Exam Information

Exam Board and Specification Number

Pearson Edexcel: 8MA0

Click [here](#) for the link to the exam board specification website.

How is the Subject Assessed?

These are the Unit Codes and their percentage weighting in Year 1

Paper 1: 8MA0/01 [62.5%]

Assessed by a 2 hour examination in the Summer Term.

Paper 2: 8MA0/02 [37.5%]

Assessed by a 1hr 15min examination in the Summer Term.

If students are on an A Level programme the above exams will be internally assessed.

Year 1

These are the Units of Work / Modules we study in Year 1

Unit 1: Pure Mathematics: Topics you will study include: Proof, Algebra and functions, Coordinate geometry in the (x, y) plane, Sequences and series, Trigonometry, Exponentials and logarithms, Differentiation, Integration, and Vectors.

Unit 2: Statistics and Mechanics: Topics you will study include: Statistical sampling, Data presentation and interpretation, Probability, Statistical distribution, Statistical hypothesis testing, Quantities and units in mechanics, Kinematics, and Forces and Newton's laws

Entry Requirements

Students must complete the Year 12 Summer Preparation Task before beginning the course.

The minimum entry requirement will be six GCSE qualifications at Grade 5 - 9 including English Language and grade 6 in Mathematics. Additionally, Grade 5 - 9 [M2 - D2] in related subjects studied at GCSE e.g. Statistics, Further Maths.

Useful Resources for this subject

Links to useful resources to prepare you for this subject

[Glossary of Technical Terminology](#)

[Recommended Text Books](#)

[Past Exam Papers](#)

[Mathematics Related Articles](#)

[Mathematics VIP Zone](#)

Progression

Progression Route, Higher Education & Career opportunities

Students will progress into Year 2 during which you have the opportunity to gain an A Level qualification in this subject.

Level 3 qualifications in Mathematics will enable students to enter degree courses related to statistics, finance, engineering and medicine.

[Click here for information on Careers in Mathematics](#)

Key Stage 5 - Level 3 Mathematics

Year 2:

Exam Information

Exam Board and Specification Number

Pearson Edexcel: 9MA0

Link to exam board specification website

<https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html#tab-0>

How is the Subject Assessed?

These are the Unit Codes and their percentage weighting in Year 2

Paper 1: 9MA0/01 [33.3%]

Paper 2: 9MA0/02 [33.3%]

Paper 3: 9MA0/03 [33.3%]

Assessed by a 2 hour examination in the Summer Term.

Assessed by a 2 hour examination in the Summer Term.

Assessed by a 2 hour examination in the Summer Term.

Year 2

These are the Units of Work / Modules we study in Year 2

Unit 1: Pure Mathematics 1

As well as revision of Year 1 topics, other topics you will study include: Numerical methods.

Unit 2: Pure Mathematics 2

As well as revision of Year 1 topics, other topics you will study include: Numerical methods

Unit 3: Statistics and Mechanics

As well as revision of Year 1 topics, other topics you will study include: Moments.

Entry Requirements

The minimum entry requirement is a D grade pass at AS Level [Year 1]

Useful Resources for this subject

Links to useful resources to prepare you for this subject

[Glossary of Technical Terminology](#)

[Recommended Text Books](#)

[Past Exam Papers](#)

[Mathematics Related Articles](#)

[Mathematics VIP Zone](#)

Progression

Progression Route, Higher Education & Career opportunities

Level 3 qualifications in Mathematics will enable students to enter degree courses related to statistics, finance, engineering and medicine.

[Click here for information on Careers in Mathematics](#)