



MATHEMATICS

This qualification was new in 2017. It is linear which means that students sit all their exams at the end of the course.

A-level specifications in mathematics require students to demonstrate the overarching knowledge and skills contained in sections OT1, OT2 and OT3. These must be applied along with associated mathematical thinking and understanding across the whole of the detailed content.

Overarching Themes

- OT1: Mathematical argument, language and proof
- OT2: Mathematical problem solving
- OT3: Mathematical modelling

How it is assessed?

You will be assessed by 3 examinations at A-Level in Summer 2020:

- Paper 1: Pure Maths only (2 hours, 100 marks)
- Paper 2: Pure Maths and Mechanics (2 hours, 100 marks)
- Paper 3: Pure Maths and Statistics (2 hours, 100 marks)

Qualification

A-Level

Start Date

September 2020

Finish Date

June 2022

What will I learn at A-Level?

Paper 1: Pure Maths only

Proof, Algebra and functions, Coordinate Geometry, Sequences and Series Trigonometry, Exponentials and Logarithms, Differentiation, Integration and Numerical Methods.

Paper 2: Pure Maths and Mechanics

Any content from Paper 1 and content from:

Vectors, Quantities and Units in Mechanics, Kinematics, Forces and Newton's Laws and Moments.

Paper 3: Pure Maths and Statistics

Any content from Paper 1 and content from:

Statistical Sampling, Data Presentation and Interpretation, Probability, Statistical Distributions and Statistical Hypothesis Testing.

Future opportunities

The qualification looks to equip students for Higher Education or the world of work, where Mathematicians are employed in many areas including; engineering, economics, banking, insurance, accountancy, teaching and many more.

www.stmargaretsacademy.com/sixthform

Entry Requirements

Grade 7 GCSE Mathematics