



Northampton School *for* Boys

A Level Mathematics Induction

This booklet is designed to give you information on what you can expect from the course that you will start in September.

Essential Information

Mathematics Team Leader and KS5 Learning Coordinator: Mr Mirnateghi (MMI)

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Examination Board: EDEXCEL

Course Title and code: GCE Mathematics (9MA0)

Exam Board Specification Page:

<https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.coursematerials.html#filterQuery=Pearson-UK:Category%2FSpecification-and-sample-assessments>

Course Outline

Tested in the summer of 2022.

Separate pure and applied papers

- Simple 2:1 ratio of pure mathematics to applied

- Single large data set for the lifetime of the qualification
- No non-calculator assessment

Paper 1: Pure Mathematics

33%

Examination length: 2 hours

100 marks

Paper 2: Pure Mathematics

33%

Examination length: 2 hours

100 marks

Paper 3: Mechanics and Statistics

33%

Examination length: 2 hours

100 marks

50 marks on statistics and 50 marks on mechanics

Homework

Students are expected to spend between 6 – 8 hours on their mathematics work each week. This will cover completing the set homework, revision for assessments and personal research.

Calculators

It is essential for the new Linear A Level that every student owns (at minimum) a scientific calculator. The examination board has insisted that calculators used must include the following functions: the ability to commute summary statistics and access probabilities from standard statistical distributions and also have an iterative function.

Based on our research; our recommendation would be the Casio Fx-991EX Scientific Calculator.



Support

Your first place of contact if you have difficulties is your class teacher. There is also a number of Maths Clinics run in the week for all Sixth Form students to bring their problems and ask questions.

Assessment

There are regular tests and assessments throughout the year. If a student obtains less than their Minimum Achievement Grade (MAG), a letter will be sent home informing their parents and the student must resit that test.

Research

It would be extremely beneficial if you were to do some preliminary research over the summer holidays.

The following books are also recommended:

Does God Play Dice?	Ian Stewart
Why do Buses Come in Threes?	Rob Eastaway
A History of Mathematics	Carl Boyer
How to Lie with Statistics	Daryl Huff