

GCSE MATHEMATICS

EXAM BOARD: Edexcel

EXAM BOARD WEBSITE: <https://qualifications.pearson.com>

COURSE CODE: 1MA1

CONTROLLED ASSESSMENT/EXAM WEIGHTING: 100% examination

COURSE DESCRIPTION:

This is a two year linear course with exams taken at the end of Year 11.

The course enables pupils to:

- develop fluent knowledge, skills and understanding of mathematical methods and concepts
- acquire, select and apply mathematical techniques to solve problems
- reason mathematically, make deductions and inferences and draw conclusions
- comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.

ASSESSMENT:

The course is assessed during the summer term of Year 11. There are 2 tiers of entry: higher tier (grades 9-4), and foundation tier (grades 5-1).

Pupils will sit three external exams, each lasting 1 hour 30 minutes.

Paper 1 will be non-calculator and worth 80 marks.

Papers 2 & 3 will both be calculator exams, worth 80 marks each.

All aspects of the mathematics course can be assessed in any of the papers. It will be vital that all pupils have the correct equipment for these exams, including a scientific calculator.

The course is suitable for people who: enjoy working with numbers and thinking in a logical manner. The course is designed to allow pupils to apply various mathematical methods in order to solve problems which occur in the real world. They will learn how to compare mobile phone tariffs, to interpret data correctly and work with money. Pupils will need to think through a problem and identify the steps needed in order to find an answer.

CAREERS/JOBS:

A GCSE in Mathematics is highly desirable in most careers due to the problem solving aspect.

It shows employers that pupils are able to break a problem down into smaller steps and work in a logical manner.

Careers that require mathematics specifically include engineering, computer programming, the financial market, teaching and pilots.

At Etone College Sixth Form, pupils can continue studying an A Level in Mathematics provided they meet the entry requirements of a grade 7 or higher.

FOR FURTHER INFORMATION CONTACT: Mr N Randall