



Subject: Mathematics GCSE

Exam Board: (Edexcel) 1MAO

Coursework: None

Exam: 100%

Units – Linear

Course Summary + Controlled Assessment/Overview of content:

The course offered follows guidelines set out in the National Curriculum for Mathematics. All students will cover a basic core of work, which includes number, money, percentages, time, measurement, graphical representation, spatial work involving shape, area and volume, ratio and proportion and simple graphical ideas.

Depending upon measures of potential and achievement, many students will tackle the work at higher levels of complexity and will subsequently be entered at the appropriate level (Higher or Foundation).

The new examination tests more than just memory and skills. Candidates will have to show that they can apply what they have learnt. Problem solving will also be tested in the written examinations.

There is no coursework element to this course. All students will sit three linear papers at the end of Year 11, two calculator papers and one non-calculator paper at either Higher or Foundation tier. Each paper will last for 1½ hours.

Skills needed to study this subject:

This Edexcel specification encourages students to:

- Consolidate their understanding of mathematics
- Be confident in their use of mathematics
- Extend their use of mathematical vocabulary, definitions and formal reasoning
- Develop the confidence to use mathematics to tackle problems in the work place and everyday life
- Take increasing responsibility for the planning and execution of their work
- Develop an ability to think and reason mathematically
- Learn the importance of rigour and precision in mathematics
- Make connections between different areas of mathematics
- Realise the application of mathematics around them
- Use ICT appropriately
- Develop a firm foundation for further study

Possible Careers + Future Study: Accountancy, Law, Business, Economics, Teaching... mathematics can open many doors!