

# CORE MATHEMATICS

**Level: Level 3 Certificate (equivalent AS Level)**  
**Exam Board: AQA**

**Entry Requirements:**

Grade 5 or above in GCSE Mathematics

**Course Content:**

Core Maths offers students the opportunity to learn about more practical elements of mathematics.

The Financial Maths element of the course covers skills such as how to calculate income tax, national insurance, how to take into account monthly and weekly outgoings and create a budget. It draws heavily on percentages skills learnt at GCSE.

The Estimation element of the course teaches students to model complex situations by simplifying them, rounding numbers, making assumptions and coming up with a best fit model answer with the information that's available to them.

The Critical Analysis element of the course shows students ways in which data in the media can be misleading. It encourages students to question the source and reliability of statistics.

The Statistical Analysis element of the course covers averages, measures of spread such as variance and standard deviation, and probability distributions. Some of this content does overlap with part of the A level maths course.

**Aims of the Course:**

Level 3 Core Mathematics will encourage students to:

Understand and apply practical uses of mathematics, in a way that instils confidence and promotes a lifelong relevance of mathematics skills.

Feel supported with the mathematical content of their other A level subjects, in particular Business, Economics, Science, Psychology, Geography, Sport Science and others.

Demonstrate their numerical fluency to employers and universities.  
Learn independent study skills, as well as discussing their ideas with a group.

**Other Information:**

The course will only be taught over one year.

Students can take it on top of their three A level choices, or as one of their three choices, but in this case, students must be prepared to take up an EPQ in their second year to replace this qualification.

It carries the same amount of UCAS points as an AS level.

There are two exams of 120 minutes, both with a calculator.



For further information please contact Mr S Evans (Head of Mathematics) or Mrs J Mawson (Key Stage 5 Maths Coordinator)