



Core Mathematics – Level 3 in Mathematical Studies

What you will learn:

This qualification will consolidate your mathematical understanding, build your confidence and competence in applying mathematical techniques to solve a range of problems and introduce you to new techniques and concepts that will prepare you for further study. By studying this course you will:

- *Study a mathematics course that is integrated with other areas of study
- *Develop your mathematical modelling, evaluating and reasoning skills
- *Solve problems some of which will not be well defined and some may not have a unique solution
- *Solve substantial and real life problems
- *Use ICT as an exploratory tool for developing mathematical understanding and when solving problems
- *Develop skills in the communication, selection, use and interpretation of mathematics

The course is made up of the following compulsory content:

- *Analysis of data
- *Maths for personal finance
- *Estimation
- *Critical analysis of data

The course is completed with one of the following optional modules:

- *Statistical techniques
- *Critical path and risk analysis
- *Graphical techniques

Elements of the course:

Mathematics, at this level, is an abstract subject and “hands-on” experiences are rare. However, there is an increasing use of technology in this course.

Where could it take me?

The Core Maths qualification supports post-16 learners with the mathematical and statistical needs of their further study of other subjects, as well as for employment and everyday life. It is valuable for learners preparing for a variety of technical and professional roles, as they learn about mathematical modelling, costing, risk and the use of spreadsheets. Financial problem solving, which is important for all learners no matter what their future ambitions, is also a feature of the qualifications. The qualifications will give learners the mathematical skills to tackle problems in a range of authentic situations. They enable learners to strengthen the mathematical knowledge and skills they have learnt at GCSE so they can apply them to the problems they'll come across. The use of technology – in particular, spreadsheets – is an integral part of the course.

Assessment:

The course is assessed by 2 terminal exam papers. Paper 1 covers the compulsory content and paper 2 the optional.

Entry Requirements

Minimum Required:

Grade 4 or above in GCSE Mathematics. **Standard Sixth Form entry requirements.**

Preferred Requirements:

Grade 5 or above in GCSE in Mathematics

Special Requirements: