Level 3 Mathematical Studies (Core Maths)

Course Outline

The Core Maths course is designed for you if you have achieved a 9 to 5 grade in GCSE Mathematics, but you've chosen not to continue your maths studies at AS or A level. This engaging and relevant qualification will improve your mathematical knowledge and show you how to apply it in real-world contexts.

It will prepare you for professional training or higher education courses, or equip you to apply for employment or higher apprenticeships in a wide range of industry sectors. With the aim to:

- consolidate and build on your mathematical understanding, and develop further mathematical understanding and skills in the application of- mathematics to authentic problems
- build a broader base of mathematical understanding and skills in order to support the mathematical content in other Level 3 qualifications, for example GCE A Level Biology, Business Studies, Economics, Computing, Geography, Psychology, BTEC Applied Science, Business, Health and Social Care, IT
- prepare you for the range of varied contexts that you are likely to encounter in vocational and academic study, future employment and life.
- develop competence in the selection and use of mathematical methods and techniques

- develop confidence in representing and analysing authentic situations mathematically, and in applying mathematics to address related questions and issues
- build skills in mathematical thinking, reasoning and communication .

The course is assessed through two 1 hour 30 mins exams.

Topics covered

- Applications of statistics
- Probability
- Linear programming
- Sequences and growth

Skills Required

Students studying Core Maths should have a sound mathematical basis with at least a grade 5 at GCSE Mathematics, with an interest in mathematical problem solving and it's application to a wide range of practical applications. Students will need the ability to study independently as with all Level 3 qualifications the expectation is that students complete at least one hour of independent study for every lesson. Students studying this course need to show the initiative to ask questions when necessary to further their understanding.

Exam Board

AQA.

Entry Requirement

- Students are expected to have a grade 5 or above in GCSE Maths.

What level is Core Maths?

Core Maths is the equivalent of an AS Level and is recognised in UCAS points as follows:

- A – 20
- B – 16
- C – 12
- D – 10
- E – 6

Future opportunities

Students who study some form of Mathematics after GCSE improve their career choices and increase their earning potential. Mathematical Studies is recognised by employers from a wide range of sectors. Many roles in today's workplace-require high levels of budget management, statistical analysis and problem-solving skills; Core-Maths will be a useful tool in equipping you with these skills. The course has been developed with employers, universities and professional bodies as valuable preparation for higher education and employment.