

AS LEVEL CORE MATHEMATICS

Areas of Study...

This is a Level 3 Certificate in Quantitative Reasoning. It is designed to support post-16 learners with the mathematical and statistical needs of their further study of other subjects, as well as for employment and everyday life.

This qualification gives learners the mathematical skills to tackle problems in a variety of authentic situations. It enables learners to strengthen the mathematical knowledge and skills which they have learnt at GCSE so that they can apply them to the problems which they will encounter in further study, life and employment. The use of technology – in particular, spreadsheets – is an integral part of the course.

Using mathematics creatively to address authentic problems, communicating, thinking clearly and evaluating quantitative statements are features of this qualification. The ability to reason confidently using quantitative information and to check the accuracy of statements made by others is important for all future study and employment as well as for effective participation in everyday life.

Future Careers

All careers that are associated with:

Actuary, agriculture, research analysis, computer programming, software engineering, medicine, health, environment, sport, engineering, economics, accountancy, banking, risk management, design, entertainment industry, teaching.



Content Overview

Modelling • Statistics • Finance • Working with exponentials • Working with graphs and gradients • Geometry and measures • Risk • Estimation • Problem-solving • Communicating solutions • Use of technology.

AS Maths qualifications are great subjects to support your entry to higher education and complement most other A Levels well.

Assessment

Introduction to Quantitative Reasoning (01)

72 marks

2 hour written paper

50% of total Level 3 Certificate

Critical Maths (02)

60 marks

2 hour written paper

50% of total Level 3 Certificate