

MATHEMATICS

AWARDING BODY: EDEXCEL SPECIFICATION: GCSE (9-1) IN MATHEMATICS 1MA1

The course aims to enable students to:

- Develop fluent knowledge, skills and understanding of mathematical methods and concepts.
- Acquire, select and apply mathematical techniques to solve problems.
- Reason mathematically, make deductions and inferences and draw conclusions.
- Comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.

Topics covered include all aspects of numerical calculation, algebra, geometry, trigonometry, data handling and applications of Mathematics.

The purposes of this qualification are to:

- Provide evidence of students' achievements against demanding and fulfilling content, to give students confidence in the mathematical skills, knowledge and understanding that they will have acquired during the course of their study.
- Provide a strong foundation for further academic and vocational study and for employment and to give students the appropriate mathematical skills,
- knowledge and understanding to help them progress to a full range of courses in further and higher education. These courses include Level 3 Mathematics as well as Level 3 and undergraduate courses in other disciplines such as Biology, Geography and Psychology, where the understanding and application of Mathematics is crucial.