

Compulsory: Mathematics (Edexcel IGCSE 4MA1)

The Edexcel International GCSE in Mathematics (Specification A) qualification enables students to:

- Develop their knowledge and understanding of mathematical concepts and techniques.
- Acquire a foundation of mathematical skills for further study in the subject or related areas
- Enjoy using and applying mathematical techniques and concepts, and become confident to use mathematics to solve problems.
- Appreciate the importance of mathematics in society, employment and study.

The specification requires students to demonstrate application and understanding of the following:

Number Use numerical skills in a purely mathematical way and in real-life situations.

Algebra Use letters as equivalent to numbers and as variables.

Understand the distinction between expressions, equations and formulae.

Use algebra to set up and solve problems.

Demonstrate manipulative skills.

Construct and use graphs.

Geometry Use properties of angles.

Understand a range of transformations.

Work within the metric system.

Understand ideas of space and shape.

Use ruler, compasses and protractor appropriately.

Statistics Understand basic ideas of statistical averages.

Use a range of statistical techniques.

Use basic ideas of probability.