



Mathematics IGCSE

"Mathematics is the language with which God has written the universe."
Galileo

Mathematics is an essential subject for all students, which has many applications in other areas of study. Edexcel IGCSE Mathematics encourages the development of mathematical knowledge as a key life skill, and provides excellent progression to the Edexcel A Level we offer. This is a fully examined course, through which learners develop not only knowledge and understanding of Mathematics, but also skills in creative thinking, enquiry and problem solving.

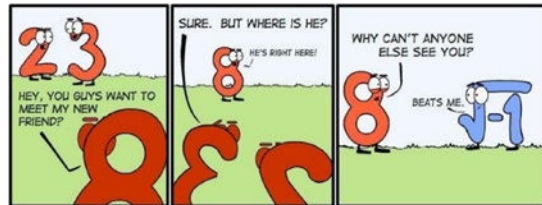
Exam Board

Edexcel 4MA1, 9-1

Content

Students will study:

- numbers and the number system
- equations, formulae and identities
- sequences, functions and graphs
- geometry and trigonometry
- vectors and transformation geometry
- statistics and probability



Students should be able to demonstrate mathematical reasoning skills by:

- making deductions and drawing conclusions from mathematical information
- constructing chains of reasoning
- presenting arguments and proofs
- interpreting and communicating information accurately

We aim for all students to sit the higher tier examination, allowing them access to the top grades on the 9-1 scale. In some circumstances we may need to support a student by allowing them to sit the foundation tier paper if it is right for them.

Assessment

Higher Curriculum, Grades 9-4

Mathematics A Paper 1H: 2hr examination, 50%
Mathematics A Paper 2H: 2hr examination, 50%

Foundation Curriculum, Grades 5-1

Mathematics A Paper 1F: 2hr examination, 50%
Mathematics A Paper 2F: 2hr examination, 50%



Students can use a scientific calculator for both papers (graphical calculators are not allowed). Students have access to a formulae sheet.

