

IGCSE MATHEMATICS - 0580

Why should I study IGCSE Mathematics?

- To encourage logical thinking via problem solving and investigations.
- To apply mathematics in everyday situations and develop an understanding of the part which mathematics plays in the world around you;
- Cambridge IGCSE Mathematics is accepted by universities and employers as proof of mathematical knowledge and understanding. Successful IGCSE Mathematics candidates gain lifelong skills, including:
 - confidence by developing a feel for numbers, patterns and relationships
 - an ability to consider and solve problems and present and interpret results
 - communication and reason using mathematical concepts
 - a solid foundation for further study
 - imaginative and creative work arising from mathematical ideas

Course content

Number
Algebra and graphs
Coordinate geometry
Geometry
Mensuration
Trigonometry
Vectors and transformations
Probability
Statistics

How will I learn?

Throughout the course there will be regular tests, discussions and exam questions. Other learning methods include: group work, investigations, and ICT resources.

How will I be assessed?

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| • Paper 1 (Core) - Short-answer questions (1 hour) | 35% |
| • Paper 2 (Extended) - Short-answer questions (1 hour 30 minutes) | 35% |
| • Paper 3 (Core) - Structured Questions (2 hours) | 65% |
| • Paper 4 (Extended) - Structured Questions (2 hours 30 minutes) | 65% |

Additional Mathematics IGCSE 0606

Entry to this course will be assessed on a case by case basis. Invitations to sit for Additional Mathematics are based typically on students achieving high scores in Term 2 and Term 3 Year 9 Examinations and sitting the IGCSE Extended Mathematics paper in Year 10.