IGCSE MATHEMATICS

Why should I choose IGCSE Mathematics?

- To encourage thoughtful writing of Mathematics and logical thinking in 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

Cambridge IGCSE Mathematics Syllabus code 0580:

- Algebra
- Geometry
- Graphs
- Matrices and Transformation
- Mensuration
- Trigonometry
- Sets, Vectors and Functions
- Statistics and Probability

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?

<table>
<thead>
<tr>
<th>Core curriculum</th>
<th>Extended curriculum</th>
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<tbody>
<tr>
<td><strong>Grades available: C-G</strong></td>
<td><em><em>Grades available: A</em>-E</em>*</td>
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<tr>
<td><strong>Paper 1</strong></td>
<td><strong>Paper 2</strong></td>
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<tr>
<td>Short-answer questions</td>
<td>Short-answer questions</td>
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<tr>
<td>Candidates should answer each question.</td>
<td>Candidates should answer each question.</td>
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<tr>
<td>Weighting: 35%</td>
<td>Weighting: 35%</td>
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<tr>
<td><strong>Paper 3</strong></td>
<td><strong>Paper 4</strong></td>
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<tr>
<td>Structured questions.</td>
<td>Structured questions.</td>
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<tr>
<td>Candidates should answer each question.</td>
<td>Candidates should answer each question.</td>
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<tr>
<td>Weighting: 65%</td>
<td>Weighting: 65%</td>
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<td>2 hours</td>
<td>2½ hours</td>
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- Internal assessment is based on class work, homework, investigations, quizzes, tests, end-of-year test and the mock exam.
Post IGCSE opportunities:

Careers in which knowledge of Mathematics would be useful include:

- Engineering
- Finance
- Teaching
- Cryptography
- Accountancy
- Law
- Biomathematics
- Research Operations
- Computer Studies
- Actuarial Science
- Business
- Software Professionals

Contact for further information

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