

# IGCSE Mathematics

Edexcel 4MA0

We are delighted to now be offering IGCSE Mathematics at Denstone College. This course not only provides learning opportunities beyond the standard GCSE course but we feel it also provides pupils who are aiming for a B or C grade the best possible chance of success of reaching their targets.

Within the Mathematics Department we are constantly looking for ways to improve our delivery. We have built up an extensive suite of video tutorials that pupils are able to access in their own time as well as in lessons.

There are three major topics that are assessed in IGCSE Mathematics that do not feature in the standard GCSE course:

- Calculus
- Venn Diagrams
- Function Notation

In addition to this there are a few further smaller topics contained:

- The Intersecting Chord Theorem
- Quadratic Inequalities
- Conditional Probability
- Modulus of a Vector

We believe it is very important that pupils are stretched during their time at Denstone which is why we have decided to follow the IGCSE course.

In addition to IGCSE, further enrichment is available via the individual and team UKMT Intermediate Maths Challenges. Pupils will have the opportunity to compete against other mathematicians around the country.

BJRD

## Assessment



Pupils will sit 2 exams at the end of the course each lasting 2hours.

Pupils are allowed to use a calculator in both exams however questions are worded so that pupils must display their understanding of arithmetic.

### Approximate Grade Boundaries:

|           |            |
|-----------|------------|
| <b>A*</b> | <b>81%</b> |
| <b>A</b>  | <b>62%</b> |
| <b>B</b>  | <b>44%</b> |
| <b>C</b>  | <b>26%</b> |

(Average IGCSE Mathematics Grade Boundaries 2005-2012)