Further Mathematics (IGCSE)

Edexcel

IGCSE Further Mathematics is a new course that we are offering from September 2016, subject to a viable number of pupils opting for this course. Pupils who choose the course will be equipped with a superior mathematical knowledge, comparable to pupils from all around the world.

The content within the course is similar to the mathematics learnt in countries such as Hong Kong, Singapore, Taiwan and China who rank amongst the highest in terms of mathematical learning from around the globe.

The course is intended for very able mathematicians who have a passion for the subject. The course contains a number of topic areas that are related to the A Level maths and further maths courses. The main topic areas are:

- Logarithms & Indices
- Quadratics
- Identities & Inequalities
- Graphs
- Series & Binomial Expansions
- Scalars & Vectors
- Rectangular Cartesian Coordinates
- Calculus
- Trigonometry

Pupils will study this course alongside IGCSE Maths, resulting in two separate IGCSEs in Maths and Further Maths.

As with IGCSE Maths, the department endeavor to supplement the classroom based teaching with a wide range of resources enabling pupils to access a range of additional learning materials.

Assessment

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

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

For further details about this course please contact Mr B Duerden, Head of Mathematics.