

SUBJECT: MATHEMATICS IB STUDIES

**HEAD OF DEPARTMENT:
MS S EBBS**

**SYLLABUS NUMBER:
N/A**

SYNOPSIS OF CONTENT

Types of number.

Financial mathematics.

Functions and algebra.

Trigonometry of triangles – including 3 dimensions.

Logic and probability.

Statistics – cumulative frequency, regression, chi-squared test.

(See website opposite for further details).

The course provides an introduction to many areas of Mathematics beyond GCSE. The level of Mathematics is similar to AS Level.

SKILLS THAT WILL BE DEVELOPED

Use of graphical calculator.

Independent learning.

Writing a mathematical project.

SOME USEFUL WEBSITES

www.ibmaths.com

<http://learning.angleteurope.essex.sch.uk/inaes/?q=home>

A number of IB past exam papers can be found at:
www.freeexampapers.com/past

ASSESSMENT

20% project – completed in the lower sixth.

Two examinations at the end of the course.

SPECIFIC MATRICULATION REQUIREMENTS

At least a grade 5 at GCSE in Mathematics. This course is also suitable for those who achieve higher grades at GCSE. It will support many University courses, including Medicine. It is not sufficiently mathematical to support Engineering or Mathematics at University. Some Economics courses will also require a Mathematical course at a higher level.

OTHER INFORMATION **Eg Field Trips/expenses/books**

A TI-84 Plus calculator is advised. Approximate cost £70. You are encouraged to purchase through the school in September in the Lower Sixth at a discounted price. Options to loan the calculator are also available.