

## **SUBJECT: MATHEMATICS IB STANDARD**

**HEAD OF DEPARTMENT:  
MS S EBBS**

**SYLLABUS NUMBER:  
N/A**

### **SYNOPSIS OF CONTENT**

Functions and algebra.

Trigonometry – including identities.

Vectors – including 3 dimensional vectors  
Calculus.

Statistics and probability.

(See website opposite for further details).

### **SKILLS THAT WILL BE DEVELOPED**

Logical thinking.

Mathematical methods.

Mathematical proof.

Use of graphical calculator.

### **SOME USEFUL WEBSITES**

IB exam papers can be found on the school website

### **ASSESSMENT**

20% Coursework.

A project to be completed in Lower Sixth.

Two examinations at the end of the course.

### **SPECIFIC MATRICULATON REQUIREMENTS**

At least a grade 6 at GCSE in Mathematics.

This is a course for students with a flair for Mathematics but who do not need to study the subject at Higher level. The standard is similar to the Higher Mathematics course but with less content and less time to study.

### **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.