

# **MATHEMATICS – A LEVEL**

## **Examinations Board – WJEC**

### **Description of Specification**

Some of the main reasons for studying Maths should be that you're good at it, you like it, and you know it will be useful to you! With this in mind the AS/A Level course covers a range of topics, ranging from algebra, geometry and trigonometry which will allow you to extend the knowledge you already have. You will also be introduced to new and interesting branches of maths, such as calculus. In addition to these pure math topics you will have the opportunity to study applied maths modules which show how maths can be used in other disciplines.

### **Type of Work Involved**

For each topic you study you will have a support booklet which contains notes, practice exercise and past papers examples. You will need to devote a significant amount of independent study but will have the opportunity to work collaboratively in class. Some topics provide the opportunity for independent research study. A big Emphasis is placed on exam preparation.

### **Method of Assessment**

The AS course requires you to complete three units, each of which is assessed by one and a half hour written examination. You will sit the C1 exam in the January of year 12 and a further two in the summer of year 12. Your overall grade will be a total of these three papers. There is no coursework.

### **Entry Requirements**

A level maths is an interesting and rewarding A level. It is also a challenging subject and as such you will need to have studied the higher tier at GCSE and achieved at least a grade B.

### **Career Opportunities**

- Maths is probably the most marketable A level – it is difficult to think of any course or career where it would not be welcome.
- Maths is the subject most commonly required by universities
- People with Maths A level go on to earn significantly more than their peers with the equivalent qualifications in different subjects!
- For more information visit [www.mathscareers.org](http://www.mathscareers.org)