



### **Aims**

We aim to develop and encourage the use of mathematics both as a discipline in its own right and as a means of solving problems in a clear and logical way. Written, practical and oral skills are to be used.

This syllabus will allow and encourage candidates to develop:

- a positive attitude to mathematics, including confidence, enjoyment and perseverance;
- an appreciation of the place of mathematics in society, including historical and cultural influences;
- an ability to think mathematically - precisely, logically and creatively;
- an appreciation of how the different branches of mathematics relate to each other;
- an appreciation of the various ways mathematics is used;
- the knowledge, skills and understanding needed to apply mathematics to situations which arise in their own lives;
- an ability to use mathematics across the curriculum;
- a firm foundation for further study of mathematics at any level.

### **Course Content**

The syllabus is divided into 6 areas:

Number, Algebra, Ratio and proportion, Probability, Statistics and Geometry.

### **Method of Assessment**

Pupils will be entered for one of two tiers of study:

Higher Level or Foundation Level.

Assessment is by exam papers only: there is no coursework.

All exams will be taken at the end of year 11.

Students will sit three equally-weighted papers, one of which will be non-calculator.  
GCSE grades will be awarded on the new 9-1 scale.

### **Entry Level Certificate AQA**

This course is available for those pupils who are achieving levels 1-3 on the National Curriculum. Eight units of work are completed. Assessment is based on a combination of pupils' class work and exams, which are taken at the end of each unit. Pupils are awarded Levels 1, 2 or 3 depending on the standard of work reached. Pupils can be entered for both GCSE and Entry level awards.