

**SUBJECT:** GCSE Mathematics

**YEAR:** 10 & 11

**HEAD OF DEPARTMENT:** Mr Pugh

**GROUPING POLICY:** Set by Ability

**EXAM BOARD:** AQA

**ASSESSMENT:** 100% External Examination

**Link to Specification:** <http://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300>

### **COURSE CONTENT:**

#### **What will my child learn?**

The scheme of work follows the GCSE Curriculum and students will cover work on Number, Algebra, Ratio and Proportion, Geometry, Measures, Statistics and Probability.

#### **What will homework look like?**

Students will have one piece of homework a week. This will either be a written task or online and should take approximately 1 hour.

#### **What enrichment opportunities are available?**

Gifted and Talented students take part in the UKMT Intermediate Maths Challenge.

### **ASSESSMENT**

#### **How will my child's work be assessed?**

The subject is split into fortnightly topics. After every 4 weeks there is a test on the two topics that they have just complete. This is then marked by the teacher who gives feedback and sets a shadow test for students to improve poorly answered questions.

Formal mock examinations will give students valuable exam practice as well as allow us to track their progress in the subject.

The course is examined at the end of Year 11 in two tiers – Foundation and Higher. Foundation tier can award grades 1 to 5, and Higher tier 4 to 9.

There are 3 examination papers and content from any part of the specification may be assessed:

- Paper 1 = Non-Calculator (33.3%) – 90 mins
- Paper 2 = Calculator (33.3%) – 90 mins

- Paper 3 = Calculator (33.3%) – 90 mins

Each examination paper will contain a mix of question styles, from short, single-mark, multiple-choice questions to multi-step problems. The mathematical demand increases as a student progresses through the paper.

### **ADDITIONAL INFORMATION**

#### **How can I support my child in this subject?**

- Be positive about learning Mathematics when speaking to your child, whatever your personal experience of Maths was.
- Discuss what your child is learning in Mathematics with them, and get them to focus on the process of “why” the Mathematics happens rather than concentrating on the answers.
- Help your child practice their numeracy. It is essential that they master their times tables, and formal methods of addition, subtraction, multiplication and division.
- Try to encourage your child to use Mathematics in everyday activities. For example, when you go to the supermarket you could play a game to see who could estimate the final bill the best.

#### **How can I support my child with exams?**

- Students need to make sure that they complete past papers, and then use that to analyse what topics they cannot solve.
- Test your child with the formulas that are needed for their exam.