



# MATHEMATICS

## Year 11 Curriculum



You will complete your study of GCSE Mathematics in the same Maths sets as last year. New topics are covered in the Autumn & Spring Terms alongside practice of exam papers. You need to master the topics that you have studied and apply them to unusual situations. You build up confidence and resilience in tackling problem solving questions independently. You will aim to use a variety of techniques to start problems when you're unsure of what to do.

You study the following **key** aspects of Maths:

1. Number
2. Algebra
3. Ratio, Proportion and Rates of Change
4. Geometry and Measures
5. Probability
6. Statistics

Exam Questions will be testing your Maths skills in three ways:

- AO1 Using and applying standard techniques
- AO2 Reasoning, interpreting and communicating mathematically
- AO3 Solving problems within mathematics and in other contexts

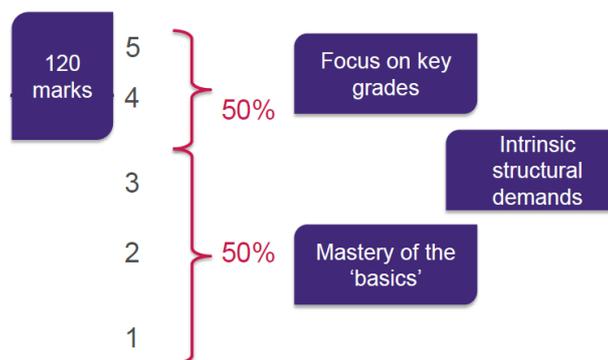
For the Mock GCSE in December, you will take two papers, either Edexcel Higher or AQA Foundation, one non-calculator and one with your calculator. In January, your Tier of Entry is finalised. We make this decision with the aim of maximising your final grade and making the GCSE Mathematics exams a positive but challenging experience where you can show the best of your Maths skills.

You will still use MyMaths for some homeworks and revision and other websites such as OnMaths and MathsGenie

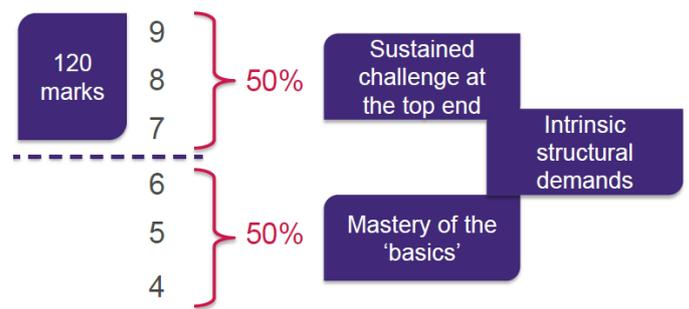
The final examination consists of 3 equally weighted papers, all 1½ hours, with any content appearing on any paper. The only exception is that Paper 1 is non-calculator. There are 80 marks available on each paper, making a total of 240 marks.

Be responsible in using answers and online solutions/markschemes so that you check and guarantee your understanding

Foundation Tier:



Higher Tier:



Be honest with yourself and your teacher about what you don't understand. Tackling your weaker areas will help you to increase your grade.

You are responsible for bringing your calculator, ruler, pencil, protractor and compasses at all times.

Maths lunchtime surgery runs weekly, open to all and staffed by Maths teachers and sixth formers.

Revision resources are recommended and can be purchased through school at appropriate times.