



# MATHEMATICS

## Year 10 Curriculum



Your study of Maths now deepens your knowledge and understanding built up through Key Stage 3. You will continue to work in a Maths set, enabling you to progress towards your highest possible GCSE grade, whilst ensuring that you are building up on solid Maths skills. Maths sets 1ABCD follow an identical scheme of work, whereas Sets 2AB and Set 3 have individually adapted programmes of study. This is to help you to make maximum progress from the very start of Year 10.

For GCSE Mathematics the aims and objectives are to:

- Develop fluent knowledge, skills and understanding of mathematical methods and concepts
- Acquire, select and apply mathematical techniques to solve problems
- Reason mathematically, make deductions and inferences, and draw conclusions
- Comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.

You will explore 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 real GCSE at the end of Year 11, you will be entered for either Edexcel Higher or AQA Foundation. The syllabus for GCSE Mathematics is the same for all examination boards – our choice of board is based on past success of our Presdales Maths students.

The decision of Tier of Entry is not finalised until after the Mock examinations in Year 11 – there is considerable overlap between Higher and Foundation, but different characteristics of these examinations are more suitable for different learners.

You will still use MyMaths for some homeworks and revision

Be responsible in using answers in the textbook where they are provided so that you check and guarantee your understanding

Be honest with yourself and your teacher about what you don't understand

Continue to bring your calculator, ruler, pencil, protractor to every lesson and compasses when needed!

Paper 1 Non-calculator	Paper 2 Calculator	Paper 3 Calculator
33.3% weighting	33.3% weighting	33.3% weighting
80 marks 1 hour and 30 minutes	80 marks 1 hour and 30 minutes	80 marks 1 hour and 30 minutes

As usual, there will be Maths tests spread throughout Year 10 as End of Block Tests, but the Year 10 Summer Maths Exam will be two papers of GCSE questions that assess all of the Maths skills that you have acquired to this point. Paper 1 is non-calculator and Paper 2 is with your