

<b>Subject:</b>	<b>GCSE MATHEMATICS</b>
<b>Examination Board:</b>	<b>Edexcel</b>
<b>Syllabus:</b>	<b>GCSE (9-1) Mathematics (1MA1) Higher Tier</b>

**Topics covered:**

**KS4 Maths** begins in Year 9 with a year of study which consolidates the pupils' understanding of the KS3 topics, and builds upon these in order to tackle GCSE-style problems.

**Skills Developed:**

- Applications of geometry, shape, measure and construction; algebra; handling data; number rules
- Accuracy in calculations and constructions
- Problem-solving involving a logical, independent thought process
- Knowledge, intrigue and understanding in Mathematics in the world around us
- Using and reading statistics and understanding when they are misleading
- Work(career)-related Mathematics and Citizenship
- In Additional Maths (Year 11): Algebra, Coordinate Geometry, Trigonometry and Calculus

Topics covered will be within the range for grades 9 – 5.

**Support Material:**

Please see the Maths website for useful links. The program of study for this year is also available for viewing on these sites, as well as revision resources and fun, educational games.

Every pupil has a full subscription to **Sparx Maths**; an online homework resource.

**What you could do to support your daughter:**

Mathematics revision must involve a significant amount of “doing”, as opposed to reading through notes. There are facts and formulae to be learnt, but methods are best learned through practise. After looking through each topic, take examples from a text book, exercise book, or revision guide and cover over the solution. If your daughter can work through to the correct answer, you will both feel confident that she has understood.

Ensure that she learns by heart all the formulae she has met, for example for finding areas and trigonometry and understands how to apply them.

On the day of a test, please help your daughter to ensure she has all of the correct equipment, including protractor, compasses, ruler, pencil, rubber, pen and a scientific calculator.