Subject: Maths

Academic Year 2016 - 2017	
Year 7, Year 8, Year 9	
KS3 Assessment: Each unit is usually assessed with a test. At KS3, within each year, pupils will sit an exam in line with the school calendar that will assess all previous knowledge.	
Basic Number Skills: Apply 4 operations with decimals **Special Numbers:** Multiples, Factors, Primes and Indices **Algebra** Sequences, including nth term and quadratic **Negative Numbers** Apply four operations **Algebra** Expressions, simplifying and substitution **Coordinates** Coordinates in all four quadrants **Shape** Introduction to transformations **Algebra** Plotting and interpreting linear graphs Inequalities and their representations **Shape** Measures and convention for lines and angles Metric conversions Construction and Loci **Data Handling** Collecting data Representing and interpreting tables, charts and graphs Analysing data **Fractions and Percentages** Identifying and interchangeability with decimals. Percentage – definition, equivalence and simple percentage of Quantity **Ratio** Comparing, simplifying and sharing **Fractions, Decimals, Percentages** Four operations to calculate fractions and decimals	**Shape** Classification and properties of shapes. Bearings **Probability** **Algebra** Equations, deriving and solving. Applications of equations Factorising and expanding brackets **Ratio and proportion** **Shape** Area, perimeter and volume **Number** Index notation **Data Handling** Mastery of, and extension of the previous unit of work. **Standard Form** **Shape** Compound measures **Algebra** Linear graphs, parallel and perpendicular **Shape** Conditions for congruency Transformations Similar shapes **Shape** Pythagoras **Shape** Trigonometry in right angled triangles

Subject: Maths

Applications of fractions, decimals and percentages	

Academic Year 2016 - 2017	
Year 10 /11	

Year 10

Brief outline of scheme of work, including topics to be covered:

Each pupil in the Maths Department in KS4 follows the Edexcel syllabus (mathematics Linear 1MA1) (Edexcel). There are two tiers, foundation and higher. The higher tier covers Grades 9 to 4 and the Foundation Tier 5 to 1. This means a Grade 4 and 5 is accessible in both tiers.

Details of any assessments or exams

Each topic is usually assessed with a test. In June all pupils attempt a GCSE exam in the appropriate tier and awarded grades.

There are no controlled assessments in Maths.

Any other details

Weekly homework is given, in preparation for the Year 10 exam and it is very important that pupils attempt them.