

Maths – Year 9 to be added in due course.

	<b>Term 1</b>	<b>Term 2</b>	<b>Term 3</b>	<b>Notes</b>
<b>Year 7</b>	<p><b>PLACE VALUE, ADD AND SUBTRACT</b></p> <ul style="list-style-type: none"> <li>Place value, including decimals</li> <li>Add and subtract including decimals</li> <li>Estimation</li> <li>Perimeter</li> <li>Word problems</li> </ul> <p><b>MULTIPLY AND DIVIDE</b></p> <ul style="list-style-type: none"> <li>Multiply and divide including decimals</li> <li>Area of rectangle and triangle</li> <li>Calculate the mean</li> <li>Factors, HCF, primes</li> </ul>	<p><b>GEOMETRY</b></p> <ul style="list-style-type: none"> <li>Draw, measure and name acute and obtuse angles</li> <li>Find unknown angles (straight lines, at a point, vertically opposite)</li> <li>Properties of triangles and quadrilaterals</li> <li>Area of parallelograms</li> </ul> <p><b>FRACTIONS</b></p> <ul style="list-style-type: none"> <li>Equivalent fractions</li> <li>Compare and order fractions and decimals</li> <li>Multiples and LCM</li> <li>Add and subtract fractions</li> <li>Change mixed numbers to improper fractions and vice versa</li> <li>Add and subtract mixed numbers</li> <li>Fraction of a quantity</li> </ul>	<p><b>ALGEBRA</b></p> <ul style="list-style-type: none"> <li>Order of operations</li> <li>Substitution</li> <li>Simplifying algebraic expressions</li> <li>Solve word problems with expressions</li> <li>Sequences (term to term not nth term)</li> </ul> <p><b>PERCENTAGES AND PIE CHARTS</b></p> <ul style="list-style-type: none"> <li>Read and interpret pie charts</li> <li>Convert between percentages, fractions and decimals</li> <li>Percentage of a quantity</li> <li>Find the whole given the part and the percentage</li> <li>Solve word problems with proportion</li> </ul>	<p>Click <a href="#">here</a> for link to the Key Stage 3 National Curriculum</p>
<b>Year 8</b>	<p>Chapter 1: Calculations 1</p> <p>Chapter 2: Expressions</p>	<p>Chapter 3: Angles and Polygons</p> <p>Chapter 4: Handling Data 1</p>	<p>Chapter 5: Fractions, Decimals and Percentages</p> <p>Chapter 6: Formulae and Functions</p>	<p>Students will be entered for AQA 8300 linear examination at the end of Year 11. Click <a href="#">here</a> for the</p>

				<p>specification and past paper resources.</p> <p>They can also access the text book and other resources at <a href="#">Kerboodle</a>. We also subscribe to <a href="#">Hegarty Maths</a>, <a href="#">MyMaths</a> and recommend <a href="#">Corbett Maths</a> for revision and support.</p>
<b>Year 9</b>	<p>Chapter 1: Calculations 1</p> <p>Chapter 2: Expressions</p> <p>Chapter 3: Angles and Polygons</p> <p>Chapter 4: Handling Data 1</p> <p>Chapter 5: Fractions, Decimals and Percentages</p> <p>Chapter 6: Formulae and Functions</p>	<p>Chapter 7: Working in 2D</p> <p>Chapter 8: Probability</p> <p>Chapter 9: Measures and Accuracy</p> <p>Chapter 10: Equations and Inequalities</p>	<p>Chapter 11: Circles and Constructions</p> <p>Chapter 12: Ratio and Proportion</p>	<p>Students will be entered for AQA 8300 linear examination at the end of Year 11. Click <a href="#">here</a> for the specification and past paper resources.</p> <p>They can also access the text book and other resources at <a href="#">Kerboodle</a>. We also subscribe to <a href="#">Hegarty Maths</a>, <a href="#">MyMaths</a> and recommend <a href="#">Corbett Maths</a> for revision and support.</p>
<b>Year 10</b>	<p>Chapter 13: Factors, powers and roots</p> <p>Chapter 14: Graphs 1</p> <p>Chapter 15: Working in 3D</p>	<p>Chapter 18: Graphs 2</p> <p>Chapter 19: Pythagoras and Trigonometry (also Vectors for Higher students).</p>	<p>Chapter 21: Sequences</p> <p>Chapter 22: Units and Proportionality</p>	<p>Students will be entered for AQA 8300 linear examination at the end of Year 11. Click <a href="#">here</a> for the specification and past paper resources.</p>

	Chapter 16: Handling Data 2 Chapter 17: Calculations 2	Chapter 20: The probability of combined events	Revision for first Mock Exam (June of Year 10).	They can also access the text book and other resources at <a href="#">Kerboodle</a> . We also subscribe to <a href="#">Hegarty Maths</a> , <a href="#">MyMaths</a> and recommend <a href="#">Corbett Maths</a> for revision and support.
<b>Year 11</b>	<p><b>All GCSE topics have been covered once in Years 9 and 10. In Year 11 we focus on personalised identification of areas for improvement in preparation for the GCSE examination in June. Topics taught will depend upon students' needs on a class by class basis. Students complete a past or practice GCSE paper in class every 3-4 weeks.</b></p> <p><b>We also deliver Further GCSE Mathematics after school for students thinking of taking Maths at A Level.</b></p>			<p>Students will be entered for AQA 8300 linear examination at the end of Year 11. Click <a href="#">here</a> for the specification and past paper resources.</p> <p>They can also access the text book and other resources at <a href="#">Kerboodle</a>. We also subscribe to <a href="#">Hegarty Maths</a>, <a href="#">MyMaths</a> and recommend <a href="#">Corbett Maths</a> for revision and support.</p>
<b>Year 12</b>	Decision 1: Algorithms; graphs and networks; minimum connector problems; finding the shortest path; route inspection; the travelling salesperson	Core 1: Coordinates, points and lines; surds; some important graphs; quadratics; differentiation; inequalities; index notation; graphs of nth power functions; polynomials; transforming graphs; investigating	Core 2: Trigonometry; sequences; the binomial theorem; the sine and cosine rules; integration; geometric sequences; exponentials and logarithms; factors and remainders; and radians.	Students will be entered for the Core 1, Core 2 and Decision 1 units at the end of Y12. The exam specification and past

	problem; linear programming; and the simplex algorithm.	shapes of graphs; applications of differentiation; and circles.		exam papers can be found <a href="#">here</a> .
<b>Year 13</b>	Statistics 1: Representation of data; measures of location; measures of spread; probability; permutations and combinations; probability distributions; the binomial and geometric distributions; expectations and variance of a random variable; correlation; and regression.	Core 3: Successive transformations; functions; exponential growth and decay; extending differentiation and integration; differentiating exponentials and logarithms; trigonometry; and the modulus function.	Core 4: Differentiating trigonometric functions; integration; parametric equations; vectors; the binomial expansion; rational functions; differential equations; curves defined implicitly; and scalar products of vectors.	Students will be entered for the Core 3, Core 4 and Statistics 1 units at the end of Y13. The exam specification and past exam papers can be found <a href="#">here</a> .