

Exam board: AQA GCSE Maths (Grades 9-1)		
Year 9	Foundation	Higher
Autumn term	<p>Number: Four Operations (+, -, x, ÷), Rounding and Estimation, Powers and Roots, Order of Operations, Household Finance, Factors and Multiples, Highest Common Factors and Lowest Common Multiples, Fractions, Decimals and Percentages, Fractions of Amounts, Calculating with Fractions</p> <p>Proportion and Ratio Percentages of Amounts, Percentage Change, Proportion, Direct Proportion, Best Value, Converting units, Scales and Maps</p>	<p>Number: Four Operations (+, -, x, ÷), Household Finance, Estimation, Limits of Accuracy, Standard Form, Powers and Roots, Factors, Multiples and Primes, Highest Common Factors and Lowest Common Multiples, Fractions, Decimals and Percentages, Fractions of Amounts, Calculating with Fractions,</p> <p>Ratio and Proportion Percentage Change, Reverse Percentages, Repeated Percentage Change, Direct and Inverse Proportion, Compound Measures, Scales and Maps</p>
Spring term	<p>Algebra Algebraic Vocabulary, Substitution, Simplifying, Indices, Expanding Single Brackets, Factorising, Equations, Identities and Formulae, Input/Output Machines, Solving Equations, Inequalities, Coordinate Geometry, Straight Line Graphs, Changing the Subject, Sequences</p> <p>Geometry Properties of Shape, Measuring and Drawing Angles, Angles in Triangles/Quadrilaterals, Angles in Polygons, Angles in Parallel Lines, Area of Shape</p>	<p>Algebra Basic Algebra, Simplifying, Indices, Expanding Brackets, Factorising Expressions, Factorising Quadratics, Equations, Identities and Formulae, Solving Linear Equations, Simultaneous Equations, Quadratic Equations, Quadratic Formula, Changing the Subject, Straight Line Graphs, Parallel and Perpendicular Lines, Quadratic Graphs, Inequalities, Arithmetic Sequences, Quadratic Sequences</p> <p>Geometry Properties of Shape, Angles in Triangles and Quadrilaterals, Angles in Polygons, Angles in Parallel Lines</p>
Summer term	<p>Geometry Area and Circumference of Circles, Pythagoras' Theorem</p> <p>Probability and Statistics Theoretical Probability, Experimental Probability, Expectation, Mutually Exclusive Events, Sample Space Diagrams, Averages and Spread, Pictograms, Bar Charts, Scatter Graphs</p>	<p>Geometry Area and Perimeter, Area and Circumference of Circles, Volume, Congruency, Similar Shapes, Pythagoras' Theorem, Trigonometry</p> <p>Probability and Statistics Theoretical Probability, Experimental Probability, Expectation, Mutually Exclusive Events, Sample Space Diagrams, Probability Trees, Averages and Spread, Scatter Graphs, Cumulative Frequencies, Box Plots</p>
Assessment	Students will be assessed twice a half term internally with end of year exams in July, one non-calculator and one calculator	Students will be assessed twice a half term internally with end of year exams in July, one non-calculator and one calculator

Year 10	Foundation	Higher
Autumn term	<p>Number: Four Operations (+, -, x, ÷), Household Finance, Factors and Multiples, Powers and Roots, Order of Operations, Fractions, Decimals and Percentages, Calculating with Fractions, Rounding and Estimation, Standard Form</p> <p>Proportion and Ratio Ratio, Direct and Inverse Proportion, Converting Units, Compound Measures, Percentages of Amounts, Percentage Change</p> <p>Algebra Expressions, Simplifying, Substitution, Expanding and Factorising, Plotting Graphs, Equation of a Straight Line</p>	<p>Number and Ratio: Powers and Roots, Surds, Recurring Decimals, Rounding and Estimation, Standard Form, Ratio, Percentages, Direct and Inverse Proportion</p> <p>Algebra: Linear Algebra and Indices, Changing the Subject, Algebraic Fractions, Factorising, Forming and Solving Equations including Quadratics, Completing the Square, Simultaneous Equations</p>
Spring term	<p>Algebra Simultaneous Equations, Algebraic Argument, Inequalities, Changing the Subject, Sequences</p> <p>Geometry Properties of Shape, Angles in Polygons, Angles in Parallel Lines, Area and Perimeter, Pythagoras' Theorem, Similar Shapes, Transformations, Circles, Arc Lengths and Sectors, Plans and Elevations, Volume, Surface Area, Trigonometry</p>	<p>Algebra Proof, Iteration, Composite and Inverse Functions, Straight line and Quadratic Graphs, Sequences, Equation of a Circle, Inequalities</p> <p>Geometry Similar Shapes and Congruency, Area and Volume, Circle Theorems, Transformations, Angles in Polygons, Trigonometry</p>
Summer term	<p>Geometry Bearings, Construction and Loci</p> <p>Probability and Statistics Probability Experiments, Mutually Exclusive Events, Two way Tables, Frequency Trees, Probability Trees, Venn Diagrams, Averages and Spread, Charts and Graphs</p>	<p>Geometry Construction and Loci, Bearings, Vectors</p> <p>Probability and Statistics: Probability trees, Venn diagrams, Averages, Histograms, Cumulative Frequency Graphs</p>
Assessment	Students will be assessed twice a half term internally with end of year exams in July, one non-calculator and one calculator	Students will be assessed twice a half term internally with end of year exams in July, one non-calculator and one calculator

Year 11	Foundation	Higher
Autumn term	<p>Number and Ratio: Four Operations (+, -, x, ÷), Factors and Multiples, BIDMAS, Powers and Roots, Fractions, Rounding and Estimation, Standard Form, Ratio, Direct and Inverse Proportion, Standard Units and Compound Measures, Percentages</p> <p>Algebra: Simplifying expressions, Expanding and Factorising, Substitution, Straight Line and Quadratic Graphs, Graphs in Real Context, Forming and Solving Equations, Changing the Subject, Inequalities, Sequences</p>	<p>Number and Ratio: Powers and Roots, Surds, Recurring Decimals, Rounding and Estimation, Standard Form, Ratio, Percentages, Direct and Inverse Proportion</p> <p>Algebra: Linear Algebra and Indices, Changing the Subject, Algebraic Fractions, Factorising, Forming and Solving Equations including Quadratics, Completing the Square, Simultaneous Equations, Proof, Iteration, Composite and Inverse Functions, Straight line and Quadratic Graphs, Sequences, Equation of a Circle, Inequalities</p>
Spring term	<p>Geometry: Properties of Shapes, Angles in Polygons, Angles in Parallel Lines, Area and Perimeter, Pythagoras' Theorem, Similar Shapes, Transformations, 3D Shapes, Volume, Trigonometry, Bearings, Construction and Loci</p> <p>Probability and Statistics: Theoretical and Experimental Probability, Mutually Exclusive and Exhaustive Events, Averages and Spread, Probability Trees, Venn Diagrams, Categorical Data, Pie Charts, Scatter Graphs</p>	<p>Geometry: Similar Shapes and Congruency, Area and Volume, Circle Theorems, Transformations, Angles in Polygons, Trigonometry, Construction and Loci, Bearings, Vectors</p> <p>Probability and Statistics: Probability trees, Venn diagrams, Averages, Histograms, Cumulative Frequency Graphs</p>
Summer term	Revision of key topics in preparation for end of year assessments	Revision of key topics in preparation for end of year assessments
Assessment	<p>Assessment is made up of three exams which are all sat at the end of year 11 (May – June):</p> <ul style="list-style-type: none"> • Paper 1 Non-Calculator • Paper 2 Calculator • Paper 3 Calculator <p>The exams have no other requirements – any topic covered throughout the year could come up in each of the exams.</p>	<p>Assessment is made up of three exams which are all sat at the end of year 11 (May – June):</p> <ul style="list-style-type: none"> • Paper 1 Non-Calculator • Paper 2 Calculator • Paper 3 Calculator <p>The exams have no other requirements – any topic covered throughout the year could come up in each of the exams.</p>