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| **Exam board: AQA GCSE Maths (Grades 9-1)** | | |
| **Year 10** | **Foundation** | **Higher** | |
| **Autumn term** | **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  **Proportion and Ratio**  Ratio, Direct and Inverse Proportion, Converting Units, Compound Measures, Percentages of Amounts, Percentage Change  **Algebra**  Expressions, Simplifying, Substitution, Expanding and Factorising, Plotting Graphs, Equation of a Straight Line | **Number and Ratio:**  Powers and Roots, Surds, Recurring Decimals, Rounding and Estimation, Standard Form, Ratio, Percentages, Direct and Inverse Proportion  **Algebra:**  Linear Algebra and Indices, Changing the Subject, Algebraic Fractions, Factorising, Forming and Solving Equations including Quadratics, Completing the Square, Simultaneous Equations | |
| **Spring term** | **Algebra**  Simultaneous Equations, Algebraic Argument, Inequalities, Changing the Subject, Sequences  **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 | **Algebra**  Proof, Iteration, Composite and Inverse Functions, Straight line and Quadratic Graphs, Sequences, Equation of a Circle, Inequalities  **Geometry**  Similar Shapes and Congruency, Area and Volume, Circle Theorems, Transformations, Angles in Polygons, Trigonometry | |
| **Summer term** | **Geometry**  Bearings, Construction and Loci  **Probability and Statistics**  Probability Experiments, Mutually Exclusive Events, Two way Tables, Frequency Trees, Probability Trees, Venn Diagrams, Averages and Spread, Charts and Graphs | **Geometry**  Construction and Loci, Bearings, Vectors  **Probability and Statistics:**  Probability trees, Venn diagrams, Averages, Histograms, Cumulative Frequency Graphs | |
| **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 | |

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| **Year 11** | **Foundation** | **Higher** |
| **Autumn term** | **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  **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 | **Number and Ratio:**  Powers and Roots, Surds, Recurring Decimals, Rounding and Estimation, Standard Form, Ratio, Percentages, Direct and Inverse Proportion  **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 |
| **Spring term** | **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  **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 | **Geometry:**  Similar Shapes and Congruency, Area and Volume, Circle Theorems, Transformations, Angles in Polygons, Trigonometry, Construction and Loci, Bearings, Vectors  **Probability and Statistics:**  Probability trees, Venn diagrams, Averages, Histograms, Cumulative Frequency Graphs |
| **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** | Assessment is made up of three exams which are all sat at the end of year 11 (May – June):   * Paper 1 Non-Calculator * Paper 2 Calculator * Paper 3 Calculator   The exams have no other requirements – any topic covered throughout the year could come up in each of the exams. | Assessment is made up of three exams which are all sat at the end of year 11 (May – June):   * Paper 1 Non-Calculator * Paper 2 Calculator * Paper 3 Calculator   The exams have no other requirements – any topic covered throughout the year could come up in each of the exams. |