

Mathematics Curriculum Map

| Year | | Autumn Term | | Spring Term | | Summer Term | |
|------|--------------------------|---|---|--|--|---|---|
| | | 1st Half Term | 2nd Half Term | 1st Half Term | 2nd Half Term | 1st Half Term | 2nd Half Term |
| 7 | Topic / Key Ideas | - Number Systems - Addition & Subtraction - Directed Numbers - Number Theory | - Sets - Multiplication & Division - Exponents & Roots | - Time - Metric units - Perimeter and Area - Order of Operations (GEMS) | - Properties of Fractions - Ratio | - Intro to Algebra - Angles basics | - Symmetry - Properties of Triangles and Quadrilaterals - Solving & Rearranging - Angles in Polygons |
| | Assessment | Summative - Baseline Formative - Topic Tests | Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 or 3 CALC Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 or 3 CALC Formative - Topic Tests |
| 8 | Topic / Key Ideas | Review content missed due to lockdown | | - Calculations with Negative numbers and Fractions - Percentages - Index Laws - Surds | - Multiplicative change - Metric & Imperial units - Area problems - Brackets and Distributivity | - Forming and Solving - Circles - Intro to Probability | - Algebraic Fractions - Angles in Parallel lines - Data |
| | Assessment | Summative - Paper 1 NON CALC Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 or 3 CALC Formative - Topic Tests | Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 or 3 CALC Formative - Topic Tests |
| 9 | Topic / Key Ideas | Review content missed due to lockdown | | - Coordinate Geometry - Enlargement and Similarity - Scatter graphs | - Direct Proportion - Scale factors in different dimensions - Speed, Distance, Time - Standard Form | - 3D shapes - Volume and Density - Further brackets | - Inequalities and Inequations - Pie Charts - Tree diagrams and Conditional Probability |
| | Assessment | Summative - Paper 1 NON CALC Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 or 3 CALC Formative - Topic Tests | Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 or 3 CALC Formative - Topic Tests |
| 10 | Topic / Key Ideas | - Sequences - Linear graphs | - Pythagoras' Theorem - Averages from tables/charts - Transformations | - Compound interest, growth & decay - Quadratic graphs - Real-life graphs | - Enlargement and Proportion overview - Compound Measures - Working with 2D shapes - Working with 3D shapes | - Quadratic Formula - SUVAT - Simultaneous Equations - Graphical regions | - Bearings and Vectors - Quadratic sequences - Trigonometry |
| | Assessment | Summative - Paper 1 NON CALC Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 or 3 CALC Formative - Topic Tests | Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 or 3 CALC Formative - Topic Tests |
| 11 | Topic / Key Ideas | - Revise Number | - Revise Ratio & Proportion, Stats & Probability | - Revise Algebra i | - Revise Algebra i | - Revise Geometry | - Exam papers |

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| | Assessment | Summative - Paper 1 NON CALC Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 2 CALC Formative - Topic Tests | Formative - Topic Tests | Formative - Topic Tests | Summative - Paper 3 CALC Formative - Topic Tests |
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