|  | Curriculum Map |  |  |  |  |
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| Year 7 | Unit 1 <br> Factors, Multiples and Primes Sets and Venn Diagrams Negative Numbers | Unit 2 <br> Powers and Roots Order of Operations Introduction to Algebra | Unit 3 <br> Fractions <br> Decimals <br> Solving Linear Equations 1 | Unit 4 Rounding Metric Units Properties of 2D Shapes Area and Perimeter | Unit 5 Fractions, Decimals and Percentages Ordering Numbers Percentages Angle Basics |
| Year 8 | Unit 6 <br> Ratio <br> Algebra Recap <br> Index Laws | Unit 7 <br> Prime Factorisation Introduction to Probability Expanding Single Brackets | Unit 8 <br> Factorising into Single Brackets Solving Linear Equations 2 Sequences | Unit 9 <br> Proportion <br> Averages and Range <br> Coordinates <br> Charts | Unit 10 Estimation Circles Angles in Parallel Lines |
| Year 9 | Unit 11 <br> Fraction Arithmetic <br> Highest Common Factor and Lowest Common Multiple <br> Standard Form <br> Types of Numbers <br> Simplifying Surds <br> Angles in Polygons | Unit 12 <br> Expanding Double Brackets <br> Factorising by Grouping <br> Factorising Quadratics <br> Difference of Two Squares <br> Basic Functions <br> Changing the Subject <br> Inverse Functions | Unit 13 <br> 2D Pythagoras' Theorem Properties of 3D Shapes Plans and Elevations Volume and Surface Area of Prisms Area and Volume Unit Conversions Compound Measures | Unit 14 <br> Linear Inequalities <br> Straight Line Graphs <br> Basic Vectors <br> Transformations <br> Invariant Points | Unit 15 <br> Percentages with Multipliers Repeated Percentage Change Similarity with Length Right-Angled Trigonometry |
| Year 10 | Unit 16 <br> Recurring Decimals <br> Parallel and Perpendicular Lines Graphical Inequalities Non-Linear Graphs | Unit 17 <br> Bounds and Error Intervals <br> Basic Circle Theorems <br> Direct and Inverse Proportion <br> Constructions and Loci | Unit 18 <br> Advanced Data Handling Expand Binomials Solving Quadratics | Unit 19 <br> Advanced Indices <br> Calculating with Surds <br> Algebraic Fractions | Unit 20 <br> Graphical Simultaneous Equations Linear Simultaneous Equations Combinations and Permutations Advanced Statistics |
| Year 11 | Unit 21 <br> Advanced Trigonometry 3D Pythagoras' Theorem Bearings Advanced Ratio | Unit 22 <br> Similarity with Area and Volume Volume and Surface Area of Non-Prisms Arcs, Sectors and Segments Advanced Probability | Unit 23 <br> Completing the Square Quadratic Graphs Quadratic Inequalities Kinematics Iterations | Unit 24 <br> Advanced Vectors <br> Advanced Simultaneous Equations <br> Equation of Circles and Tangents to Circles Proof <br> Advanced Sequences | Unit 25 <br> Exponential and Trigonometric Graphs <br> Advanced Functions <br> Graph Transformations <br> Geometric Reasoning and Congruency <br> Circle Theorem Proofs |

