

Curriculum Map - Further Maths

Year 7	Unit 1 Factors, Multiples and Primes Sets and Venn Diagrams Negative Numbers	Unit 2 Powers and Roots Order of Operations Introduction to Algebra	Unit 3 Fractions Decimals 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 Ratio Algebra Recap Index Laws	Unit 7 Prime Factorisation Introduction to Probability Expanding Single Brackets	Unit 8 Factorising into Single Brackets Solving Linear Equations 2 Sequences	Unit 9 Proportion Averages and Range Coordinates Charts	Unit 10 Estimation Circles Angles in Parallel Lines
Year 9	Unit 11 Fraction Arithmetic Highest Common Factor and Lowest Common Multiple Standard Form Types of Numbers Multiplying and Simplifying Surds Angles in Polygons	Unit 12 Expanding Double Brackets Factorising by Grouping Factorising Quadratics Difference of Two Squares Basic Functions Changing the Subject Inverse Functions	Unit 13 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 Linear Inequalities Straight Line Graphs Basic Vectors Transformations Invariant Points	Unit 15 Percentages with Multipliers Simple and Compound Interest Similarity with Length Right-Angled Trigonometry
Year 10	Unit 16 Recurring Decimals Parallel and Perpendicular Lines Graphical Inequalities Graphical Simultaneous Equations Linear Simultaneous Equations Non-Linear Graphs	Unit 17 Bounds and Error Intervals Basic Circle Theorems Direct and Inverse Proportion Constructions and Loci	Unit 18 Advanced Data Handling Expanding Triple Brackets Solving Quadratics Advanced Ratio	Unit 19 Advanced Indices Calculating with Surds Algebraic Fractions	Unit 20 Advanced Simultaneous Equations Advanced Trigonometry 3D Pythagoras' Theorem and Trigonometry Exponential and Trigonometric Graphs
Year 11	Unit 21 Advanced Statistics Advanced Probability Combinations and Permutations Capture-Recapture	Unit 22 Completing the Square Advanced Functions Quadratic Graphs Quadratic Inequalities Real-Life Graphs Gradients and Areas of Graphs	Unit 23 Similarity with Area and Volume Arcs, Sectors and Segments Volume and Surface Area of Non-Prisms Bearings	Unit 24 Equations of Circles and Tangents Advanced Sequences Iterations Algebraic Proof Advanced Vectors	Unit 25 Graph Transformations Congruence and Similarity Proofs Circle Theorem Proofs
Level 2 Further Maths	Unit 26 Advanced Straight Line Graphs Three Linear Simultaneous Equations	Unit 27 Binomial Expansion Factor Theorem	Unit 28 Matrices Trigonometric Identities and Equations	Unit 29 Differentiation Domain and Range Piecewise Functions	Unit 30 Advanced Equations of Circles Limiting Values of Sequences