

Year 9 Mathematics Curriculum Overview

Michaelmas Term 1	Number 1: Estimating, Prime factors, Indices, Standard form. Algebra 1: Brackets, Solving linear equations, Substitution, Change subject of formula. Number 2: Surds	Number 1: BIDMAS; Rounding and estimating; factors, multiples and primes, squares and cubes; powers of numbers; index laws. Number 2: Product of primes; HCF/LCM; standard form. Algebra 1: Algebraic introduction; simplifying; index laws; substitution.
Michaelmas Term 2	Algebra 2: Plotting linear and quadratic graphs, Revision: Whole school exam week and exam feedback. Algebra 3: All things quadratic. Number 3: Reciprocals, Fraction arithmetic	Algebra 2: Expanding brackets, Revision: Whole school exam week and exam feedback. Algebra 2: Factorise, Algebra 3: Solving equations. Algebra 4, Straight lines
Epiphany Term 1	Number 4: Recurring Decimals, Handling Data 1, Averages. Algebra 4: Straight Lines Number 5: Ratio	Data 1: Charts and tables, Data 2 Averages. Algebra 5 Straight lines, $y=mx+c$, gradients Algebra 6: Travel graphs and other real life graphs. Number 3: Fractions
Epiphany Term 2	Algebra 5: Graphs Shape 1: Pythagoras Shape 2: Trigonometry	Number 3: Fractions Number 4: Percentages Data 3: Probability, tree diagrams, Venn diagrams
Easter Term 1	Algebra 6: Simultaneous equations Shape 3: Converting metric units	Algebra 7: Inequalities Number 5: Ratio
Easter Term 2	Shape 4: Circles Shape 5: Volume and Surface Area	Number 6: Percentages Shape 1: Angles in triangles Shape 2: Angles and parallel lines

