



Maths KS3 and KS4 Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 1
Year 7 National Curriculum	Algebraic Thinking: Sequences Algebraic notation Equality and Equivalence	Place value and Proportion: Place value and ordering Fraction, decimal and percentage equivalence	Application of number: Solving problems with the four operations. Fractions and percentages of amounts	Fractional Thinking: Addition and subtraction of fractions	Lines and Angles: Constructing, measuring and using geometric notation Developing geometric reasoning	Reasoning with number: Developing number sense. Sets and probability. Prime numbers and Proof
Year 8 National Curriculum	Proportional reasoning: Ratio and scale Multiplicative change. Multiplying and dividing fractions	Representations: Working in the Cartesian plane Representing data Tables and Probability	Algebraic techniques: Brackets, equations and inequalities Sequences Indices	Developing Number: Fractions and percentages Standard Index form Number sense	Developing Geometry Angles in parallel lines and polygons Area of trapezia and circles Line symmetry and reflection	Reasoning with data The Data Handling Cycle Measures of location

Year 9 Foundation GCSE Edexcel	Unit 1 Number	Unit 2 Algebra	Unit 3 Graphs, tables and charts	Unit 4 Fractions and percentages Year 9 Exams	Unit 5 Sequences Equations, inequalities	Unit 6 Angles
Year 9 Higher GCSE Edexcel	Unit 1 Number	Unit 2 Algebra	Unit 3 Handling data	Unit 4 Fractions, decimals and percentages Year 9 Exams	Unit 5 Sequences Equations, inequalities	Unit 6 Angles, Pythagoras, Trigonometry

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	Autumn	Spring	Summer
Year 10 Foundation GCSE Edexcel	Unit 7 Averages and range Unit 8 Perimeter, area and volume 1 Unit 9 Graphs	Unit 10 Transformations Unit 11 Ratio and proportion Unit 12 Right-angled triangles	Unit 13 Probability Unit 14 Multiplicative reasoning Unit 15 Constructions, loci and bearings
Year 10 Higher GCSE Edexcel	Unit 7 Averages and range Unit 8 Perimeter, area and volume 1 Unit 9 Graphs	Unit 10 Probability Unit 11 Multiplicative reasoning Unit 12 Similarity and congruence	Unit 13 More trigonometry Unit 14 Further statistics
	Autumn	Spring	Summer
Year 11 Foundation GCSE Edexcel	Unit 16 Quadratic equations and graphs Unit 17 Perimeter, area and volume 2 Unit 18 Fractions, indices and standard form Unit 19 Congruence, similarity and vectors Unit 20 More algebra	Number Algebra Graphs and Charts Fractions and Percentages Sequences and Equations Angles Averages and Range	Revision and final GCSE exams
Year 11 Higher Tier GCSE Edexcel	Unit 15 Equations and graphs Unit 16 Circle theorems Unit 17 More algebra	Unit 18 Vectors and geometric proof Unit 19 Proportion and further graphs	Revision and final GCSE exams