Maths Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 1
Year 7 White Rose Maths	Sequences Algebraic Notation and Substitution Expressions and Equations	Place value, ordering and rounding Four operations Averages and Range Rounding and Estimation	Graphing data Fractions, decimals and percentages	Direct number Fractions and percentages of amounts Perimeter and Area	Speed, distance and time Properties of number	Add and subtract fractions Angles and polygons
Year 8 White Rose Maths	Ratio Proportion and scale Algebraic manipulation	Co-ordinates and Graphs Multiply and Divide fractions Symmetry and reflection	Area, volume and density Equations and inequalities Percentages	Indices Standard Form Interpret and Represent data	Angles in parallel lines and polygons Tables and probability	Circles Graphs and charts Sequences
Year 9 White Rose Maths	Properties of number Percentages Area and volume	Equations, inequalities and formulae Fractions Rate Standard form	Maths and Money Straight line graphs **Year 9 Exams**	Unit 1: Integers, place value, indices	Unit 2: Algebra – the basics Unit 3: Tables, graphs and charts	Unit 4: Fractions, decimals & percentages Unit 5: Equations, Inequalities, sequences
				Unit 1: Calculations, Roots, Factors, Surds	Unit 2: Algebra: Equations and Sequences Unit 3: Averages, Representing Data	Unit 4: Fractions, percentages, ratio, proportion Unit 5: Angles, Pythagoras and Trigonometry

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	Autumn	Spring	Summer
Year 10 Foundation GCSE Edexcel	Unit 6 Angles and Polygons Unit 7 Statistics, sampling, average Unit 8 Perimeter, area and volume Unit 9 Graphs	Unit 10 Transformations Unit 11 Ratio and Proportion Unit 12 Pythagoras and Trigonometry	Unit 13 Probability Unit 14 Multiplicative reasoning Unit 15 Construction and Loci End of Year 10 exams
Year 10 Higher GCSE Edexcel	Unit 6 Graphs: linear, quadratic, cubic, real life Unit 7 Perimeter, Area and Volume Unit 8 Transformations, constructions, loci	Unit 9 Quadratic and simultaneous equations Unit 10 Probability Unit 11 Multiplicative Reasoning	Unit 12 Similarity and Congruence Unit 13 Further Trigonometry and Trig Graphs End of year 10 exams
	Autumn	**Spring**	**Summer**
Year 11 Foundation GCSE Edexcel	Unit 16 Quadratics Unit 17 Circles, Cones and Spheres Unit 18 Indices, standard form, reciprocals Year 11 Mock Exams	Unit 19 Vectors Unit 20 Cubic, reciprocals, simultaneous equations Revision	Revision and final GCSE exams
Year 11 Higher GCSE Edexcel	Unit 14 Cumulative frequency and Histograms Unit 15 Quadratics, graphs of circles Unit 16 Circle Theorems, Circle geometry Year 11 Mock Exams	Unit 17 Algebraic fractions, rationalising surds Unit 18 Vectors and Geometric Proof Unit 19 Gradient and Area under a curve Revision	Revision and final GCSE exams

Maths Curriculum Overview

	Autumn	Spring	Summer
Year 12 **A level Maths** **Edexcel**	Algebra and functions Co-ordinate Geometry Further Algebra	Trigonometry Vectors Differentiation Integration	Exponentials and logarithms Proof Algebraic and partial fractions Functions and modelling
	Statistical sampling Data presentation and interpretation	Probability Statistical distributions	Hypothesis testing Regression
	Quantities and units in Mechanics. Kinematics	Forces and Newton's Laws	Kinematics 2
	Autumn	**Spring**	**Summer**
Year 13 **A level Maths** **Edexel**	Series and Sequences The Binomial Theorem Trigonometry Parametric Equations	Differentiation Numerical Methods Integration Vectors	Revision and final exams
	Probability	The Normal Distribution	Revision and final exams
	Moments Forces at any angle	Applications of kinematics (projectiles) Applications of Forces	Further kinematics Revision and final exams

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