



# Maths KS3 and KS4 Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 1
<b>Year 7 National Curriculum</b>	Using numbers Sequences Perimeter, area (and volume)	Decimal numbers Working with numbers Statistics	Algebra Fractions Angles	Coordinates and graphs Percentages Probability	Symmetry Equations Interpreting data	3D shapes Ratio Problem Solving
<b>Year 8 National Curriculum</b>	Working with numbers Geometry Probability	Percentages Sequences Congruent shapes Area (including surface area and volume of prisms)	Graphs Numbers Interpreting data	Algebra Congruence and scaling / Shape and Ratio	Fractions and decimals Proportion Circles	Equations and formulae Comparing data
<b>Year 9 National Curriculum</b>	Percentages Equations and formulae Polygons	Using data Circles Enlargements  (Applications of Graphs Pythagoras Theorem)	Fractions Algebra Decimal numbers	Surface area and volume of 3D shapes (including cylinders) Solving equations graphically	Distance, speed and time (compound units) Similar triangles (Trigonometry)	Bridging Units for GCSE preparation

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 1
<b>Year 10 Foundation GCSE Edexcel</b>	Unit 1 Number Unit 2 Algebra	Unit 2 Algebra Unit 5b Sequences Unit 3 Graphs, tables and charts	Unit 4 Fractions and percentages Unit 5a Equations, inequalities	Revision Year 10 Exams Unit 6 Angles Unit 7 Averages and range	Unit 7 Averages and range Unit 8 Perimeter, area and volume 1 Unit 9 Graphs	Unit 10 Transformations Unit 11 Ratio and proportion
<b>Year 10 Higher GCSE Edexcel</b>	Unit 1 Number Unit 2a Algebra	Unit 2b Sequences Unit 3 Interpreting and representing data Unit 4a Fractions, and percentages	Unit 4b ratio Unit 5 Angles and trigonometry	Unit 6 Graphs	Unit 7 Area and volume Unit 8 Transformations and constructions	Unit 9 Equations and inequalities
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 1
<b>Year 11 Foundation GCSE Edexcel</b>	Unit 12 Right-angled triangles Unit 13 Probability Unit 14 Multiplicative reasoning	Unit 15 Constructions, loci and bearings 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	Revision of exam techniques and practice Final Exam	
<b>Year 11 Higher Tier GCSE Edexcel</b>	Unit 10 Probability Unit 11 Multiplicative reasoning Unit 12 Similarity and congruence	Unit 13 More trigonometry Unit 15 Equations and graphs	Unit 14 Further statistics Unit 16 Circle theorems	Unit 17 More algebra Unit 18 Vectors and geometric proof Unit 19 Proportion and graphs	Revision of exam techniques and practice Final Exam	