

## 5 year Curriculum map (2 year KS3, 3 year KS4)

In Year 7 and Year 8, students cover all units from KS3 Maths Progress that are required as prior knowledge before moving on to study the GCSE course in Year 9, Year 10 and Year 11. At the end of Year 8 or the start of Year 9, students can take the GCSE Baseline test to determine whether they should take the Higher or the Foundation course.

YEAR 7		YEAR 8	
KS 3	A. R.	KS 3	A. R.
Unit 1 Numbers and the number system		Unit 1 Numbers and the number system	
Unit 2 Counting and comparing		Unit 2 Calculating	
Unit 3 Calculating		Unit 3 Algebraic proficiency: tinkering	
Unit 4 Algebraic proficiency: tinkering		Unit 4 Understanding risk	
Unit 5 Exploring fractions, decimals and percentages		Unit 6-1 fractions, decimals and percentages	
Unit 6 Calculating fractions, decimals and percentages		Unit 5 Visualising and constructing	
Unit 7 Visualising and constructing		Unit 6-2 fractions, decimals and percentages	
Unit 8 Investigating properties of shapes		Unit 7 Proportional reasoning	
Unit 9 Proportional reasoning		Unit 8 Exploring Patterns	
Unit 10 Exploring Patterns		Unit 9 Investigating angles	
Unit 11 Measuring space		Unit 10 Solving equations and inequalities	
Unit 12 Investigating angles		Unit 11 Calculating space	
Unit 13 Solving equations and inequalities		Unit 12 Algebraic proficiency: visualising	
Unit 14 Calculating space		Unit 13 Presentation of data	9
Unit 15 Checking, approximating and estimating		Unit 14 Measuring data	9
Unit 16 Mathematical movement			
Unit 17 Understanding Risk	9,		
Unit 18 Presentation of data	9,		
Unit 19 Measuring data	9,		

At the end of Year 2/start of Year 3, you need to decide whether your students will follow the Foundation or Higher route in Years 3-5. There are two options: you can use the results of the End of Year test or you can use the pre-GCSE Baseline test (Foundation or Higher). Note that because there is no overlap between KS3 and KS4, the pre-GCSE Baseline tests may contain some content that students have not yet covered.

### FOUNDATION ROUTE

YEAR 9		YEAR 10		YEAR 11	
GCSE (9-1) Foundation	A. R.	GCSE (9-1) Foundation	A. R.	GCSE (9-1) Foundation	A. R.
Unit 1 Number		Unit 9 Graphs	9	Unit 17 Perimeter, area and volume 2	5,9
Unit 2 Algebra		Unit 10 Transformations		Unit 18 Fractions, indices and standard form	5,6,9
Unit 3 Graphs, tables and charts		Unit 11 Ratio and proportion	9	Unit 19 Congruence, similarity and vectors	5,9
Unit 4 Fractions and percentages		Unit 12 Right-angled triangles		Unit 20 More algebra	5,9
Unit 5 Equations, inequalities and sequences		Unit 13 Probability	9		
Unit 6 Angles		Unit 14 Multiplicative reasoning			
Unit 7 Averages and range		Unit 15 Constructions, loci and bearings			
Unit 8 Perimeter, area and volume 1		Unit 16 Quadratic equations and graphs	9		

### HIGHER ROUTE

YEAR 9		YEAR 10		YEAR 11	
GCSE (9-1) Higher	A. R.	GCSE (9-1) Higher	A. R.	GCSE (9-1) Higher	A. R.
Unit 1 Number		Unit 8 Transformation and constructions		Unit 16 Circle theorems	
Unit 2 Algebra		Unit 9 Equations and inequalities		Unit 17 More algebra	
Unit 3 Interpreting and representing data	4, 6, 7, 9	Unit 10 Probability		Unit 17 More algebra	
Unit 4 Fractions, ratio and proportion	8	Unit 11 Multiplicative reasoning		Unit 18 Vectors and geometric proof	
Unit 5 Angles and trigonometry		Unit 12 Similarly and congruence		Unit 19 Proportion and graphs	
Unit 6 Graphs		Unit 13 More trigonometry			
Unit 7 Area and volume		Unit 14 Further statistics	9		
		Unit 15 Equations and graphs			