Curriculum Map KS4 - Maths

		Year 10		Year 11	
		Foundation	**Higher**	**Foundation**	**Higher**
Autumn 1	**Focus**	**7 - Averages and Range** **8 - Perimeter, Area and Volume – Polygons and Prisms**	**4 - Fraction, Ratio and percentage** **5 - Angles and Trigonometry**	**17 - Perimeter, Area and Volume – Circle, Spheres, Cylinders and Cones**	**15 - Simultaneous Equations and Quadratic Graphs**
	Skills	Remembering calculation steps.	Using multiplicative relationships to solve problems	Remembering calculation steps.	Solve simultaneous equations. Draw and interpret quadratic graphs.
	Assessment	End of unit	End of Unit	End of unit	End of unit
Autumn 2	**Focus**	**9 - Graphs – Linear** **10 - Transformations** **11 - Ratio and Proportion**	**6 - Graphs – Linear and Quadratic** **7 - Area and Volume** **8 - Transformations and Construction**	**18 - Fractions, Indices and Standard Form** **19 - Congruence, Similarity and Vectors**	**16 - Circle Theorems,** **17 - Algebra – Algebraic Fractions and Proofs**
	Skills	Drawing graphs, completing and describing transformations. Sharing amounts in ratio.	Drawing graphs, completing and describing transformations. Using Compasses to draw shapes.	Calculate 4 operations with fractions and standard form. Identify congruent and or similar shapes.	Remember and apply circle theorems. Simplify and solve algebraic fractions.
	Assessment	End of unit	End of unit	End of unit	End of unit
Spring 1	**Focus**	**12 - Right Angled Triangles**	**9 - Equations and Inequalities** **10 - Probability**	**20 - Algebra – Non-linear Graphs, Simultaneous Equations and Proof**	**18 - Vectors and Geometric Proof**
	Skills	Apply Pythagoras' theorem and trigonometry.	Form equations and solve equations	Drawing quadratic and cubic graphs. Solving simultaneous equations.	Solve geometric problems using vectors.
	Assessment	End of unit	End of unit	End of unit	End of unit
Spring 2	**Focus**	**13 - Probability** **14 - Multiplicative Reasoning – Compound Interest and Compound Measures**	**11 - Multiplicative Reasoning -Compound Interest and Compound Measures**	**GCSE Revision**	**19 - Proportion and Graphs – Non-Linear Graphs**
	Skills	Calculate compound interest and calculate with compound measures e.g. speed and density.	Calculate compound interest and calculate with compound measures e.g. speed and density.		Identify and draw cubic, reciprocal, exponential and the graph of a circle.
	Assessment	End of unit	End of unit		End of unit
Summer 1	**Focus**	**15 - Construction, Loci and Bearings**	**12 - Similarity and Congruence** **13 - Trigonometry of Non-Right-Angled Triangles**	**GCSE Revision**	**GCSE Revision**
	Skills	Use a protractor and compass to draw shapes and identify relative positions.	Identify similar and/or congruent shapes. Apply sine and cosine rule		
	Assessment	End of unit	End of unit		
Summer 2	**Focus**	**16 - Quadratic Equations and Graphs**	**14 - Statistics – Cumulative Frequency and Histograms**	**GCSE Revision**	**GCSE Revision**
	Skills	Solve quadratic equations and draw quadratic graphs.	Draw cumulative frequency graphs and histograms.		
	Assessment	End of unit	End of unit		