



Key Stage 4 Learning Plan: Year 9/10 Mathematics

		Autumn Term		Spring Term		Summer Term	
		Half Term	Half Term	Half Term	Half Term	Half Term	Half Term
Year 9	Foundation	Numbers and Arithmetic Length and Area Algebraic Expressions Probability Written Calculations Testing and Consolidation	Angles Sequences Collecting Data Fractions Volume Testing and Consolidation	Equations Displaying/Interpreting (1) 2d and 3d shapes Percentages Testing and Consolidation	Averages and Spread Decimals Measures Formulae Testing and Consolidation	Powers, roots and primes Transformations Displaying and Interpreting (2) Testing and Consolidation	Ratio Testing and Consolidation
	Foundation +	Integer arithmetic Length and area Decimal Arithmetic Testing and Consolidation	Algebraic expressions Probability Percentages Testing and Consolidation	Angles Equations Collecting and Analysing Testing and Consolidation	Fractions 3d shapes Sequences Testing and Consolidation	Displaying/Interpreting Ratio and Proportion Transformations Testing and Consolidation	Straight line graphs Constructions and Loci Factors and Powers Testing and Consolidation
	Higher	Numbers and Arithmetic Length and area Algebraic expressions Testing and Consolidation	Probability Percentages Angles Testing and Consolidation	Equations Averages and Spread Fractions Testing and Consolidation	3d shapes Sequences and Graphs Displaying and Interpreting Testing and Consolidation	Ratio and Proportion Transformations Constructions and bearings Testing and Consolidation	Factors and Powers Pythagoras' theorem Testing and Consolidation
Year 10	Foundation	Numbers and Arithmetic Length and Area Algebraic Expressions Probability Written Calculations	Angles Sequences Collecting Data Fractions Volume	Equations Displaying/Interpreting (1) Percentages Transformations	Real life graphs Averages and spread Fractions and Decimals Measures	Formulae Probability (2) Powers, roots and primes	Construction and loci Straight line graphs Displaying/Interpreting (2)
	Foundation+	Factors and Powers Algebraic Expressions Probability	Ratio Angles Straight line graphs	Collecting and analysing data Percentages Transformations	Equations/Inequalities Displaying/Interpreting Proportion	Pythagoras' Theorem Sequences Real life graphs	Fractions Formulae Loci and Bearings
	Higher	Powers and Roots Algebraic Expressions Probability Angles	Percentages Equations and Inequalities Transformations Collecting and analysing	Ratio and Proportion Pythagoras' theorem Straight line graphs Displaying and Interpreting	Construction loci and bearings Formulae and Quadratic Equations Fractions Sequences	Enlargement and Similarity Frequency Graphs Simultaneous Equations Trigonometry	Advanced Graphs Advanced Mensuration Quadratic Equations Proportionality



Key Stage 4 Learning Plan: Year 11 Mathematics

		Autumn Term		Spring Term		Summer Term	
		Half Term	Half Term	Half Term	Half Term	Half Term	Half Term
Year 11	Foundation	Ratio and proportion 2d and 3d shapes Further Equations Decimal Calculations	Further Geometry Further transformations	Revision	Revision	Revision	
	Foundation+	Tree diagrams Proportional Change Simultaneous Equations Trigonometry	Quadratics Similarity and Congruence Circles, Cylinders, Cones and Spheres Vectors	Formulae, Equations and Graphs	Revision	Revision	
	Higher +	Circle theorems Functions Histograms Similarity and congruence	Algebraic Fractions and Formulae Advanced trigonometry Sketching graphs Rational and Irrational numbers	Transforming graphs and proof Vector notation Trigonometric Graphs Gradient and area under a curve	Revision	Revision	