



King Alfred School
Curriculum Map 2017-2018
Department – Maths

	Autumn		Spring		Summer	
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7	Number (4 ops & rounding) Mean, Mode, Median and Range	Perimeter, Area and Volume Factors and Multiples Fractions	Probability Number	Algebra Transformations	Angles Statistical diagrams	EOY assessment Investigation Individual class based intervention/revision programme
Year 8	Number Angles	Ratio and Proportion Equations Similarity	Graphs Tables	Pythagoras and Trigonometry Am I average?	Formulae Percentages.	EOY assessment Individual class based intervention/revision programme
Year 9	Number Mean, Mode, Median and Range	Perimeter, Area and Volume Factors and Multiples Fractions	Probability Number	Algebra Transformations	Angles Statistical diagrams	EOY assessment Individual class based intervention/revision programme
Year 10	Percentages Probability	Ratio and Proportion Equations Similarity	Graphs Perimeter, area and Volume - Circles	Pythagoras and Trigonometry Angles	Formulae Number Mean, Mode, Median	PPE Individual class based intervention/revision

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				Include Circle theorems for Higher	and Range Statistical diagrams	programme
Year 11 Foundation	Number Vectors Perimeter, Area and Volume Mean, Mode, Median and Range Factors and Multiples	Transformations Formulae PPE	Individual class intervention based on PPE	Individual class intervention based on PPE	Individual class intervention based on PPE	
Year 11 Higher	Vectors Functions and Graph Transformations	Pythagoras and Trigonometry Factors and Multiples PPE Algebra	Individual class intervention based on PPE	Individual class intervention based on PPE	Individual class intervention based on PPE	
Year 12	Algebraic Manipulation, Quadratic Equations & Simultaneous Equations Graphs, Linear & Quadratic Inequalities Straight Lines & Circles Statistical Sampling Data Presentation & Interpretation	Binomial Expansions Differentiation Probability & Statistical Distributions Integration	Trigonometry Statistical Hypothesis Testing Vectors	Kinematics in One Dimension Statistical Distributions Forces & Newton's Laws Analysis of Data using Statistical Packages	Exponentials & Logarithms Proof	End of year exams and intervention.
Year 13	Differentiation Trigonometric functions Logarithms and exponentials Moments Work and energy Hungarian Algorithm Critical path analysis	Partial fractions Integration Sequences & series Uniform circular motion Vertical circular motion Game theory Dynamic programming	Trigonometry Parametric equations Kinematics Newton's laws of motion Simplex method Flows in networks	Differentiation Numerical methods	Vectors Revision and exam papers	

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