



Kings Curriculum Map Subject Name – Maths

	Autumn Term	Spring Term	Summer Term		
Year	All pupils study.	Foundation	Foundation		
9	Place Value, Rounding, use of a calculator,	Finish Averages and Spread, Fractions, Decimals and	Angles in Polygons, Sequences, Straight line graphs,		
	Pythagoras, 4 operations with negative numbers	Percentages, Scale drawing and Bearings, Area of	Congruence and Similarity, Circles, Solving		
	and decimals, BIDMAS, Indices and Standard form.	2D shape, Calculations with Fractions, Substitution,	equations, Measure and Accuracy and Probability.		
		Solving Equations, Angles and Lines, Triangles and			
	Simplify expressions, Substitution, Expanding and	Quadrilaterals.	Borderline, Higher and Top Higher		
	Factorising linear expressions, sampling, organising	Porderline, Higher and Ten Higher	Angles in Polygons, Sequences, Straight Line graphs,		
	uata, representing data, Averages and Spread.	Eractions, Decimals and Percentages, Calculating	Simultaneous Equations, Metric Onits,		
		with Fractions, Scale drawing and Bearings, Area of	Density Rounding Estimating Unner and lower		
		2D shape. Circles and Solving Equations.	Bounds, Error intervals, Drawing and interpreting		
		Congruence and Similarity, Trigonometry,	Quadratic Graphs, Real life graphs, Probability and		
		Expanding and Factorising quadratics, changing the	Venn Diagrams.		
		subject, Angles and Lines, Triangles and			
		Quadrilaterals.			
Year	Foundation	Foundation	Foundation		
10	Proportion, Ratio, Percentages, Frequency	Revision of 2D shape, 3D shapes, Use of a	Basic Probability, Sample spaces and Venn		
	Diagrams, Averages and Spread, Scatter Graphs and	Calculator, Pythagoras, Circles, Volume and Surface	Diagrams, Factors and Multiples, Revision of		
	Correlation, Time series, Powers and Indices,	Area of a Cylinder, Fractions.	Percentages, Transformations.		
	Expanding and Factorising linear expressions,				
	Substitution, Straight Line graphs, Quadratic graphs,	Borderline	Borderline		
	Angles, Triangles and Quadrilaterals, Forming and	Revision of 2D shapes, volume of a Prism, Solving	Exact Calculations, Upper and Lower Bounds and		
	Solving Equations.	Solving Quadratic Equations, Laws of Indices, Surds	Error Intervals, Venn Didgrams and Tree Didgrams,		
	Borderline	Pythagoras and Trigonometry Drawing Cubic and	Cone Sphere Pyramid Transformations		
	Proportion, Ratio, Percentages, Averages and	Reciprocal graphs. Real Life Graphs.			
	Spread, Cumulative Frequency and Box Plots.		Higher and Top Higher		
	Histograms, Scatter graphs, Time Series, Drawing	Higher and Top Higher	Exact Calculations, Upper and Lower Bounds and		
	Straight line graphs and solving Simultaneous	Solving linear equations and Quadratic Equations,	Error Intervals, Venn and Tree Diagrams, Factors		
		Simultaneous Equations, Indices, Surds, Trig and	and Multiples, Trigonometry, Transformations.		
	BELIEVE AND SUCCEED				





	Equations graphically, Simultaneous Equations, Equation of a straight Line, Distance Time Graphs,	Pythagoras, Cubic and Reciprocal graphs, Real Life Graphs.	
	Higher and Top Higher Solving Quadratic Equations, Proportion, Ratio, Percentages, Compound Interest, Averages and Spread, Cumulative Frequency and Box Plots, Histograms, Scatter graphs, Time Series, Drawing and Interpreting Linear and Quadratic graphs, Finding the equation of a straight line, Kinematic Graphs, Volume and Surface Area,		
Year	Foundation and Top Foundation	Foundation and Top Foundation	Foundation and Top Foundation
11	Sequences, Expanding and Factorising (F only),	Inequalities, Percentages, Congruence and	Construction and Loci, Averages and Data Handling.
	Solving Equations, Changing the Subject,	Similarity, Pythagoras, Trigonometry, Drawing and	Revision of Key Topics.
	Simultaneous Equations (TF only), Speed, Density	finding the equation of straight-line graphs, speed	11inh av
	and Pressure Calculations, Drawing Quadratic	Transformations, Vectors, Circles, Area of 2D shape	Higner Revision of Key topics
	equations (TF only). Cubic Graphs and Reciprocal	Volume and Surface Area. Estimating, Upper and	Revision of Rey topics
	Graphs, Angles, Triangles, Quadrilaterals and	Lower Bounds, Error Intervals,	Top Higher
	Polygons, Proportion, Ratio, Direct and Inverse		Exponential and Trig Graphs, Revision of Key Topics.
	Proportion, Fractions, Probability.	<u>Higher</u>	
		Revision of Angles, Triangles and Polygons, Circle	
		Theorems, Vectors, Linear Graphs, Graphical	
	Higher and Top Higher	Inequalities, Volume and Surface area of 3D shapes,	
	Histograms Speed Density and Pressure Questions	quadratics using key points. Simultaneous	
	Growth and Decay, Sequences, Changing the	Equations, Fractions and Algebraic Fractions,	
	Subject, Iteration, Drawing and Recognising	Pythagoras and Trig, Converting between units,	
	different types of graphs, Direct and Inverse	Gradient and Area under a Curve, Capture,	
	Proportion, Functions.	Recapture, Construction and Loci.	
		Top Higher	
		Revision of Angles, Circle Theorems, Vectors, Linear	
	L	Graphs, Quadratic Graphs, Simultaneous Equations,	





		Algebraic Fractions, Pythagoras and Trigonometry,	
		Capture – Recapture, Similar Shapes, Construction	
		and Loci, Equation of a circle	
Year	Maths	Maths	Maths
12	Algebraic Expressions, Quadratic Functions,	Pure	Pure
	Simultaneous Equations, Binomial Expansion,	Circles, Trigonometry, Inequalities, Graphs,	Algebraic and Partial Fractions, Chain Rule, Radians,
	Algebraic Division, Factor Theorem, Proof,	Iransformations Exponential and Logs	Small Angles, Trigonometric Functions.
	Differentiation, Integration, Vectors, Straight Line	Applied	Applied
	Graphs.	Measure and Spread, Representing Data, Statistical	Correlations. Modelling in Mechanics, Constant
		Distributions, Probability, Data Collection,	acceleration,
	Further Maths	Hypothesis lesting.	
	Core Pure		Further Maths
	Complex Numbers, Argand Diagrams, Matrices.	Further Maths	Core Pure
	Decision	Core Pure	Vectors, Volumes of revolutions. Complex
	Algorithms, Graphs and Networks, Algorithms on	Series, Linear Transformations, Roots of	Numbers.
	graphs, Route Inspection, Linear Programming.	Polynomials, Proof by Induction.	Further Statistics
		Decision	Discrete random Variables, Poisson Distribution,
		Critical Path Analysis, Travelling Salesman Problem,	Geometric and negative Binomial distribution.
		The simplex algorithm.	Hypothesis Testing, Chi – Squared Tests.
Year	Maths	Maths	Maths
13	Pure	Pure	Pure
	Trigonometry, Differentiation, Integration.	Functions and Modelling, Proof, Series and	Vectors 3D, Revision.
	Applied	Sequences, The Binomial Theorem, Arcs and	Applied
	Forces and Motion, Variable Acceleration.	Sectors, Parametric Equations, Numerical Methods.	The Normal Distribution.
	Moments, Forces and Friction, Projectiles.		
		Applied	
	Further Maths	Application of forces, Further Kinematics,	Further Maths
	Core Pure	Regression correlation and hypothesis testing and	Revision
	Hyperbolic Functions, Polar Coordinates, Series,	conditional probability.	
	Further Statistics	Further Maths	
	Hypothesis Testing, Central Limit Theorem,	Core Pure	
	Probability generating functions, Quality of tests.	Polar Coordinates (part 2), Methods in Calculus,	
		Volumes of Revolution, Methods in Differential	
		Equations, Modelling with Differential Equations.	





BELIEVE AND SUCCEED