The King's (The Cathedral) School
Peterborough

A Family Achieving Excellence

MATHEMATICS CURRICULUM OVERVIEW 2025/2026

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Year/Term	Autumn 1							Autumn 2							Spring 1					Spring 2							Summer 1					Summer 2						
Year 7	Calculations			Geometry & Measures		Time & Number Properties		Algebra 1		Sequences		Approximation	Plotting and sketching		Fractions		Transformations		Decimals	Collecting and interpreting data			Algebra 2		FDP		Probability		Area & Perimeter Catch-up			Exams	Ratio		Displaying data		Activities week	Displaying data
Year 8	Number properties			Geometry and Measures		Algebra 1		Approximation		Percentages		Sequences		Collecting and interpreting data	Algebra 2				Plotting and sketching	Fractions			Transformations		Ratio		Probability		Area, Volume and Pythagoras			Exams	Constructions and loci		Displaying data		Activities week	Displaying data
Year 9	Percentages		Fractions	Estimation	Algebra & Index Laws		Transformations		Graph drawing		Sequences		Averages and time series		Construction & Loci		Area and Volume		Probability	Solving Equations & Inequalities			Trigonometry		Simultaneous equations		Exams					Number / Number			Algebra 1 / Percentages & Ratio		Activities week	Algebra 1 / Percentages & Ratio

Year 10

Row 1: Algebra 1 | Fractions | Geometry and measures | FDP & Ratio | Sequences & Graphs | Probability | Area & perimeter | Data & graphs | Constructions | Number Properties | Exams | Algebra 2 | Fractions | Activities Week | Fractions

Row 2: Number | Geometry & measures | Algebra 1 | Number properties 2 | Algebra 2 & graphs | Probability | Transformations | Area & Trigonometry | Exams | Vectors | Displaying Data | Sequences | Activities Week | Algebra 3

Year 11

Row 1: Geometry & Measures | FDP | Algebra & Graphs inc. Simultaneous Equations | Mocks | Algebra & Graphs inc. Simultaneous Equations | Probability | Area & Volume | Displaying Data | Constructions & Trigonometry | Revision & Exams

Row 2: Algebra 3 & Simultaneous Equations | Area & Volume | Interpreting Data | Mocks | Interpreting Data | Equations & Inequalities | Construction & Graph Transformations | Trigonometry | Revision & Exams

Mathematics Curriculum Map

Year 12

Row 1: Algebraic Expressions | Equations & inequalities | Trigonometric Ratios | Algebraic Methods | Binomial Expansion | Vectors | Exponentials & Logs | Data | Measures of Location | Representing Data | Correlation | Probability | Statistical Distributions | Hypothesis Testing | Radians | Exams | Parametric Equations | Activities Week | Parametric Equations

Row 2: Quadratics | Graphs & Transformations | Straight Lines | Circles | Trigonometric Identities & Equations | Differentiation | Integration | Modelling Mechanics | Constant Acceleration | Forces and Motion | Variable acceleration | Trigonometric functions | Exams | Trigonometry & Modelling | Activities Week | Trigonometry & Modelling

Year 13

Row 1: Trigonometry & Modelling | Differentiation | Integration | Regression & Correlation | Conditional Probability | Mocks | Normal Distribution | Revision and Exam

Row 2: Algebraic Methods | Functions & Graphs | Sequences & Series | Binomial Expansion | Numerical Methods | Vectors | Moments | Forces & Friction | Projectiles | Mocks | Projectiles | Applications of Forces | Further kinematics | Revision and Exam

Year 12 Further Maths

Row 1: Algebraic Expressions | Equations & inequalities | Trigonometric Ratios | Algebraic Methods | Binomial Expansion | Vectors | Exponentials & Logs | Data | Measures of | Representing | Correlation | Probability | Statistical Distributions | Hypothesis Testing | Radians | Algebraic methods | Parametric Equations | Functions and graphs | Sequences and series | Binomial Expansion | Numerical Methods | Vectors | Regression & Correlation | Conditional probability | Normal Distribution | Exams | Complex numbers | Argand diagrams | Activities Week | Series

Row 2: Quadratics | Graphs & Transformations | Straight Lines | Circles | Trigonometric Identities & Equations | Differentiation | Integration | Modelling Mechanics | Constant Acceleration | Forces and Motion | Variable acceleration | Trigonometric functions | Trigonometry & Modelling | Differentiation | Integration | Moments | Forces & Friction | Projectiles | Applications of Forces | Further kinematics | Exams | Complex numbers | Argand diagrams | Activities Week | Series

Year 13 Further Maths

Row 1: Roots of polynomials | Volumes of revolution | Matrices | Linear transformations | Proof by Induction | Vectors | Complex numbers | Series | Methods of calculus | Volumes of revolution | Polar coordinates | Hyperbolic Functions | Differential equations | Mocks | Differential equations | Modelling differential equations | Revision & Exam

Row 2: Discrete Random Variables | Poisson | Hypothesis testing | Chi Squared test | Momentum & impulse | Work, energy & power | Geometric & negative Binomial | Elastic collisions | Hypothesis testing | central limit theorem | Chi-squared | PGF | Quality of test | Momentum as a vector | Elastic strings and springs | Elastic collisions in 2D | Revision | Mocks | Simple harmonic motion | Damped and forced harmonic motion | Revision & Exam