

Maths Curriculum Map

	Year 7	Year 8	Year 9		Year 10		Year 11	
			Foundation	Higher	Foundation	Higher	Foundation	Higher
Autumn 1	Integers and Place Value: Multiplicative Reasoning, BIDMAS, Decimals, Rounding	Integers and Place Value: 4 Operations, Rounding, Estimation, Decimal Arithmetic, Problem Solving, Indices, Standard Form	Integers and Place Value: 4 Operations, Rounding, Estimation, Decimal Arithmetic, Problem Solving, Indices, Standard Form	Integers and Place Value: 4 Operations, Rounding, Estimation, Decimal Arithmetic, Problem Solving, Indices, Roots, Standard Form	Integers and Place Value: 4 Operations, Rounding, Estimation, Decimal Arithmetic, Problem Solving, Indices, Standard Form, Types of Number	Integers and Place Value: 4 Operations, Rounding, Estimation, Decimal Arithmetic, Problem Solving, Indices (including fractional and -ve), Standard Form, Types of Number, Algebraic PFD, Surds	Integers and Place Value: 4 Operations, Rounding, Estimation, Decimal Arithmetic, Problem Solving, Indices, Standard Form, Types of Number, HCF, LCM, PFD	Integers and Place Value: 4 Operations, Rounding, Estimation, Decimal Arithmetic, Problem Solving, Indices, Reciprocals, Standard Form, Types of Number, HCF, LCM, Algebraic PFD
	Integers and Place Value: Directed number and Inequalities	Introduction to Algebra: Expressions, Substitution and Sequences	Types of number: Factors, Multiples, Primes, LCM, HCF	Types of number: Factors, Multiples, Primes, LCM, HCF, including PFD with algebra	Fractions: Sequences, Equivalent, Algebraic, Worded	Fractions: Sequences, Equivalent, Algebraic, Worded, Recurring Decimals to Fractions	Fractions: Sequences, Equivalent, Algebraic, Worded	Accuracy and Bounds, Surds
	Indices Powers and Roots - Numerically	Straight Line Graphs: Gradient and Intercept (extension to curved graphs)		Accuracy and Bounds	Percentages - FDP, ordering, worded	Percentages - FDP, ordering, worded	Percentages - FDP, ordering, worded, Percentages: Multipliers, Interest, >100%, Expressing as a % of another number	Fractions: Sequences, Equivalent, Algebraic, Worded, Recurring Decimals to Fractions
		Fractions: Sequences, Equivalent, Algebraic, Worded	Fractions: Sequences, Equivalent, Algebraic, Worded	Fractions: Sequences, Equivalent, Algebraic, Worded, Reciprocals	Ratio and Proportion: Equivalence, Sharing, Expressing as a Fraction, Recipes, Unitary, Best Buy, Exchange Rates	Ratio and Proportion: Equivalence, Sharing, Expressing as a Fraction, Recipes, Unitary, Best Buy, Exchange Rates	Ratio and Proportion: Equivalence, Sharing, Expressing as a Fraction, Recipes, Unitary, Best Buy, Exchange Rates	Percentages - FDP, ordering, worded, Percentages: Multipliers, Interest, >100%, Expressing as a % of another number
Autumn 2	Algebra Basics: Expressions, Substitution and Sequences	Compound Measures: SDT, DMV, Inverse proportion	Percentages - FDP, ordering, worded	Percentages - FDP, ordering, worded	Percentages: Multipliers, Interest, >100%, Expressing as a % of another number	Percentages: Multipliers, Interest, >100%, Expressing as a % of another number	Compound Measures: Units, Direct and Inverse Proportion (worded examples)	Ratio and Proportion: Equivalence, Sharing, Expressing as a Fraction, Recipes, Unitary, Best Buy, Exchange Rates
	Types of number: Factors, Multiples, Primes, LCM, HCF	FDP: Equivalence, Recurring Fractions	Ratio and Proportion: Equivalence, Sharing, Expressing as a Fraction, Recipes, Unitary, Best Buy, Exchange Rates	Ratio and Proportion: Equivalence, Sharing, Expressing as a Fraction, Recipes, Unitary, Best Buy, Exchange Rates	Proportion - Finances, Worded Problems	Proportion - Finances, Worded Problems	Algebra Basics: Expressions, Substitution and Sequences, Expanding and Factorising Brackets, Quadratics	Compound Measures: Units, Direct and Inverse Proportion
	Ratio and Proportion: Equivalence, Sharing, Expressing as a Fraction, Recipes, Unitary, Best Buy, Exchange Rates	Ratio and Proportion: Equivalence, Sharing, Expressing as a Fraction, Recipes, Unitary, Best Buy, Exchange Rates, Map Scales	Percentages: Multipliers, Interest, >100%, Expressing as a % of another number	Percentages: Multipliers, Interest, >100%, Expressing as a % of another number	Algebra Basics: Expanding and Factorising Brackets, Quadratics	Algebra Basics: Expanding and Factorising Brackets, Quadratics, Difference of Two Squares	Algebra Basics: Forming and Solving Equations, Rearranging Formulae, Introduce Functions, Inequalities	Algebra Basics: Expressions, Substitution and Sequences, Expanding and Factorising Brackets, Quadratics, Difference of Two Squares
			Proportion - Finances, Worded Problems	Proportion - Finances, Worded Problems	Algebra Basics: Forming and Solving Equations, Rearranging Formulae, Introduce Functions, Inequalities	Algebra Basics: Forming and Solving Equations, Rearranging Formulae, Introduce Functions, Inequalities	Simultaneous Equations	Algebra Basics: Forming and Solving Equations, Rearranging Formulae, Functions, Inequalities, Algebraic Proof
Spring 3	Indices, Powers and Roots: +ve, -ve and 0	Real-Life Graphs: Distance Time, Real Life Situations, SDT, Exchange Rates	Algebra Basics: Expressions, Substitution and Sequences	Algebra Basics: Expressions, Substitution and Sequences	3D Shapes: Nets, Plans, Elevations, Volume and Surface Area	3D Shapes: Nets, Plans, Elevations, Volume and Surface Area	Real-Life Graphs: Distance Time, Real Life Situations, SDT, Exchange Rates	Simultaneous Equations
	Fractions: Sequences, Equivalent, Algebraic, Worded	Tables, Charts and Graphs: Pie Charts	Algebra Basics: Expanding and Factorising Brackets, Quadratics	Algebra Basics: Expanding and Factorising Brackets, Quadratics, Difference of Two Squares	Angles: Basic Angles, Parallel lines, Angles in Polygons	Angles: Basic Angles, Parallel lines, Angles in Polygons Circle Theorems	Graphs: Straight Line, Quadratic, Cubic, Linear (sequences)	Graphs: Quadratic, Cubic, Linear (sequences) Real-Life Graphs, Distance Time, Real Life Situations, SDT, Exchange Rates, Trig Graphs, Transformations of Graphs
	FDP: Equivalence	Algebra Basics: Expanding and Factorising Brackets, Quadratics	Algebra Basics: Forming and Solving Equations, Rearranging Formulae, Functions	Algebra Basics: Forming and Solving Equations, Rearranging Formulae, Functions	Pythagoras and Trigonometry	Pythagoras, Trigonometry and Advanced Trigonometry	2D Shapes: Mensuration, 3D Shapes: Nets, Plans, Elevations, Volume and Surface Area	2D Shapes: Mensuration, 3D Shapes: Nets, Plans, Elevations, Volume and Surface Area
		Indices: Estimating Roots, Laws and Evaluation	Inequalities: Number Lines, Solving	Inequalities: Number Lines, Solving	Constructions, LocI, Bearings, Maps and Scale Drawing	Constructions, LocI, Bearings, Maps and Scale Drawing	Angles: Basic Angles, Parallel lines, Angles in Polygons	Angles: Basic Angles, Parallel lines, Angles in Polygons Circle Theorems
Spring 4	Percentages: Find, Increase, Decrease	Percentages: Multipliers, Interest, >100%, Expressing as a % of another number	2D Shapes: Mensuration, especially Circles, Trapezium	2D Shapes: Mensuration, especially Circles, Trapezium	Simultaneous Equations: Algebraic	Simultaneous Equations: Algebraic and Graphical	Pythagoras and Trigonometry	Pythagoras, Trigonometry and Advanced Trigonometry
	Proportion - Finances, Worded Problems	Algebra Basics: Forming and Solving Equations, Rearranging Formulae, Introduce Functions	3D Shapes: Volume, Surface Area	3D Shapes: Volume, Surface Area, (circles, cylinders, cones, spheres)	Graphs: Quadratic, Cubic, Linear (sequences)	Graphs: Quadratic, Cubic, Linear (sequences) Trig Graphs, Transformations of Graphs	Constructions, LocI, Bearings, Maps and Scale Drawing	Constructions, LocI, Bearings, Maps and Scale Drawing
	Algebra Basics: Expanding and Factorising Brackets	Inequalities: Number Lines, Solving	Angles: Basic Angles, Parallel lines	Angles: Basic Angles, Parallel lines	Compound Measures: Units, Direct and Inverse Proportion (worded examples)	Compound Measures: Units, Direct and Inverse Proportion	Transformations: Drawing and Describing, Symmetry, Similarity and Scale Factors	Transformations: Drawing and Describing, Symmetry, Similarity, Congruence and Scale Factors including Frustums
	(Revision and Testing)	(Revision and Testing)	(Revision and Testing)	(Revision and Testing)	(Revision and Testing)	(Revision and Testing)	Vectors: Column, Addition	Vectors
Summer 5	Algebra Basics: Solving Equations, Rearranging Formulae	Transformations: Drawing and Describing, Symmetry, Similarity and Congruence	Pythagoras	Pythagoras	Transformations: Drawing and Describing, Symmetry	Transformations: Drawing and Describing, Symmetry	Data Collection: Principles, Questionnaires	Data Collection: Principles, Questionnaires, Sampling
	Inequalities: Number Lines, Solving	3D Shapes: Volume	Constructions, LocI, Bearings, Maps and Scale Drawing	Constructions, LocI, Bearings, Maps and Scale Drawing	Similarity and Scale Factors	Similarity, Congruence and Scale Factors including Frustums	Averages: Frequency Tables, Stem and Leaf	Tables, Charts and Graphs: Two-Way Tables, Scatter Graphs, Pie Charts, Frequency Polygon
	Sequences and Straight Line Graphs: Term to Term, Arithmetic, Special, Straight Line Graphs	Data Handling: Averages from Frequency Tables (extend to Cumulative Frequency)	Trigonometry	Trigonometry	Vectors: Column, Addition	Vectors	Tables, Charts and Graphs: Two-Way Tables, Scatter Graphs, Pie Charts,	Averages: Frequency Tables, Stem and Leaf, Cumulative Frequency
	Averages: Frequency Tables	Tables, Charts and Graphs: extension Histograms	Sequences and Straight Line Graphs: nth Term, Gradient and Intercept	Sequences and Straight Line Graphs: nth Term, Gradient and Intercept	Probability and Frequency Trees, Venn Diagrams	Probability and Frequency Trees, Venn Diagrams including Conditional	Probability and Frequency Trees, Venn Diagrams	Probability and Frequency Trees, Venn Diagrams including Conditional
Summer 6	Probability	Angles: Basic Angles, Parallel lines	Graphs: Quadratic, Cubic, Linear	Graphs: Non-Linear (Quadratic, Cubic, Linear)	Real-Life Graphs: Distance Time, Real Life Situations	Real-Life Graphs: Distance Time, Real Life Situations		
	Angles: Basic Angle Facts, Parallel lines, Symmetry	3D Shapes: Nets, Plans, Elevations, FEV, Symmetry, Surface Area		Solving Quadratics: Simultaneous Equations	Data Collection: Principles, Questionnaires	Data Collection: Principles, Questionnaires		
	Easter Activity : Constructions: Triangles and Hexagons	Pythagoras	Compound Measures: Units, Direct and Inverse Proportion (worded examples)	Compound Measures: Units, Direct and Inverse Proportion (worded examples)	Tables, Charts and Graphs: Two-Way Tables, Scatter Graphs, Pie Charts,	Tables, Charts and Graphs: Two-Way Tables, Scatter Graphs, Pie Charts, Histograms, Frequency Polygon		
			Probability and Frequency Trees	Probability and Frequency Trees	Averages: Frequency Tables, Stem and Leaf	Averages: Frequency Tables, Stem and Leaf, Cumulative Frequency		
			Averages: Frequency Tables, Stem and Leaf	Averages: Frequency Tables, Stem and Leaf		Introduction to Proof		

Number
Proportional Reasoning
Algebra
Geometry
Statistics