

Foundation Maths Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	<p>Placing numbers on the number line which includes decimals, square and square roots and fractional indices Place value and estimating HCF and LCM Multiplying and dividing decimals</p> <p>Simplifying algebra and addressing misconceptions Simple expanding and factorising Substituting into formulae Problem solving with algebra</p> <p>Drawing and interpreting pie charts Scatter diagrams and lines of best fit Two – way tables</p>	<p>Solving equations (including with brackets and an unknown on both sides) Introducing inequalities Using and applying the nth term</p> <p>Four operations with fractions</p> <p>Converting fractions to percentages to decimals Calculating simple percentages</p>	<p>Simple angle facts Angles in parallel lines Interior and exterior angles Problem solving with interior and exterior angles</p> <p>Using the three types of average and the range Comparing averages Estimating the mean</p> <p>Finding the area of a triangle/ parallelogram and trapezium Finding the area of a circle Surface area of shapes including an cylinder Volume of prisms including a cylinder</p>	<p>Understanding and using straight line graphs Distance time graphs Four transformations</p> <p>Calculating simple probability Introducing set notation and Venn diagrams</p>	<p>Writing and simplifying ratios Sharing ratio in a given amount Using unitary ratio</p> <p>Pythagoras theorem Worded problems with Pythagoras Introduce trigonometry (if they are able)</p>	Revision and Examinations

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 11	Multiplicative Reasoning Algebra 2 Loci and Constructions Perimeter, Area and Volume	Indices and standard form Vectors Trigonometry	Topics based on December Mock	Topics based on Easter Mock	Revision	Examinations

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	Fractions, Decimals and Percentages Calculations, checking and rounding Indices and basic roots Factors, multiples and primes Standard Form	The algebra basics Linear Equations Quadratic Equations Simultaneous Equations Formulae and sequences Averages and Range Representing and interpreting data	Direct and inverse Proportion Proportion recipes Pythagoras Trigonometry Trigonometric Functions Parallel line Interior and Exterior Angles	Real-life graphs Straight line graphs Quadratic Graphs	Perimeter, Volume and Circles Transformations Constructions, Loci and Bearings	Inequalities Non-linear simultaneous equations Revision Examination
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 11	Circle Theorems Algebraic Fractions Surds Functions Proof	Direct and inverse proportion Graph Transformation	Topics based on December Mock	Topics based on Easter Mock	Revision	Examinations