

Maths	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	<ul style="list-style-type: none"> Place value and indices Rounding Calculations with whole numbers Ordering and calculating with negatives 	<ul style="list-style-type: none"> Ordering and calculating with fractions Finding the HCF and LCM Simplifying terms and expanding brackets Basic angle properties 	<ul style="list-style-type: none"> Simplify and share ratios Ordering FDP Linear equations 	<ul style="list-style-type: none"> Compound shapes Surface area of cuboids Averages from a list 	<ul style="list-style-type: none"> Percentage increases and decreases Finding the nth term Coordinates 	<ul style="list-style-type: none"> Volume of cuboids Calculating probability Transformations Clocks and timetables
Year 8	<ul style="list-style-type: none"> Negative and fractional indices Estimating Calculations with decimals Problem solving with negatives 	<ul style="list-style-type: none"> Problem solving with fractions HCF and LCM problems Factorising Angles in parallel lines 	<ul style="list-style-type: none"> Share ratios given the difference Problem solving with FDP Equations with the unknown on both sides 	<ul style="list-style-type: none"> Area and circumference of circles Volume and surface area of prisms Averages from a frequency table 	<ul style="list-style-type: none"> Calculate a percentage change Using the nth term Finding the equation of a linear graph 	<ul style="list-style-type: none"> Volume of prisms Frequency trees Transformations Similar shapes
Year 9	<ul style="list-style-type: none"> Negative and fractional indices Bounds and error intervals Standard form Negative number calculations 	<ul style="list-style-type: none"> Fraction calculations HCF / LCM problems Quadratics Angles in polygons 	<ul style="list-style-type: none"> Combining ratios Direct and inverse proportion FDP conversion Recurring decimals (Higher) Simultaneous equations 	<ul style="list-style-type: none"> Area and perimeter of sectors Volume and surface area of cylinders Averages from a grouped frequency table 	<ul style="list-style-type: none"> Simple and compound interest Quadratic sequences (Higher) Equation of a straight line 	<ul style="list-style-type: none"> Volume of cylinders Probability trees and Venn diagrams Multi-step transformations Pythagoras' theorem
Year 10 Foundation	<ul style="list-style-type: none"> Place value and laws of indices Approximation Calculations Negative numbers 	<ul style="list-style-type: none"> Fractions HCF and LCM Factorising quadratics Angles and bearings 	<ul style="list-style-type: none"> Direct and inverse proportion FDP Equations and inequalities 	<ul style="list-style-type: none"> Working out the radius / diameter of sectors / circles Surface area of 3D shapes Plans and elevations Averages from tables 	<ul style="list-style-type: none"> Simple and compound interest Sequences Equation of lines 	<ul style="list-style-type: none"> Volume Probability Charts and graphs Pythagoras' theorem
Year 10 Higher	<ul style="list-style-type: none"> Surds (Higher) Rationalising the denominator Calculations with bounds Calculations with standard form 	<ul style="list-style-type: none"> Factorise quadratics Expand triple brackets Bearings Circle theorems 	<ul style="list-style-type: none"> Direct and inverse proportion Recurring decimals Solve quadratic equations by factorising Solve quadratic equations using the quadratic formula Functions (notation, composite, inverse) 	<ul style="list-style-type: none"> Sectors of circles Surface area Plans and elevations Averages from a list / table 	<ul style="list-style-type: none"> Simple and compound interest Quadratic sequences Plotting quadratic / cubic graphs Equation of a circle 	<ul style="list-style-type: none"> Probability Charts and graphs Pythagoras (2D/3D) Trigonometry (2D/3D)
Year 11 Foundation	<ul style="list-style-type: none"> Written calculations Order of operations Negative numbers Fractions Pythagoras Trigonometry Solving equations 	<ul style="list-style-type: none"> Speed, distance, time problems Ratio problems Similar shapes / congruence 	<ul style="list-style-type: none"> Working out missing angles in shapes Transformations Loci problems 	<i>Revision and past paper practice</i>		
Year 11 Higher	<ul style="list-style-type: none"> Surds Pythagoras and trigonometry in 3D shapes Sine rule / cosine rule / area of a triangle Algebraic fraction calculations 	<ul style="list-style-type: none"> Speed, distance, time problems Quadratic simultaneous equations Quadratic inequalities Similar shapes / congruence vector proofs 	<ul style="list-style-type: none"> Iteration / trial and error Transformations Loci problems Plotting trigonometric functions Transformation of graphs 	<i>Revision and past paper practice</i>		