

Maths	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	<ul style="list-style-type: none"> Place value and rounding Addition, subtraction, multiplication and division methods (including BIDMAS) Working with negative numbers Powers and roots Primes, factors and multiples 	<ul style="list-style-type: none"> Relationships between operations Primes, factors and multiples Fractions Area and perimeter 	<ul style="list-style-type: none"> Ratio - simplify and share Algebraic notation Algebraic manipulation 	<ul style="list-style-type: none"> Solving linear equations Patterns and sequences Coordinates Time 	<ul style="list-style-type: none"> Averages from a list Basic data representation Area and perimeter Properties of 3D shapes 	<ul style="list-style-type: none"> Construction of angles Angle properties Congruent and similar shapes Compound measures
Year 8	<ul style="list-style-type: none"> Rounding and estimating Addition, subtraction, multiplication and division methods Working with negative numbers Laws of indices Highest common factor and lowest common multiple 	<ul style="list-style-type: none"> Fractions Converting between fractions, decimals and percentages Percentage change 	<ul style="list-style-type: none"> Ratio - sharing in more contexts Factorising into single brackets Solving linear equations with the unknown on both sides 	<ul style="list-style-type: none"> Linear sequences Coordinates and graphs Inequalities 	<ul style="list-style-type: none"> Averages from a frequency table Scatter graphs and pie charts Area and circumference of circles Volume and surface area 	<ul style="list-style-type: none"> Constructions and loci Angles in parallel lines Basic probability
Year 9	<ul style="list-style-type: none"> Bounds Standard form Fractional indices and surds Highest common factor and lowest common multiple problems 	<ul style="list-style-type: none"> Fractions Converting between fractions, decimals and percentages Percentages in real life 	<ul style="list-style-type: none"> Ratio and proportion Expanding and factorising quadratics Simultaneous equations 	<ul style="list-style-type: none"> Quadratic sequences Equation of a straight line Real-life graphs 	<ul style="list-style-type: none"> Averages from grouped frequency tables Box plots and histograms Sectors of circles Volume and surface area 	<ul style="list-style-type: none"> Pythagoras and trigonometry Angles in polygons Probability trees and Venn diagrams Transformations
Year 10 Foundation	<ul style="list-style-type: none"> Algebraic manipulation Solving equations 	<ul style="list-style-type: none"> Linear sequences Linear graphs Non-linear graphs 	<ul style="list-style-type: none"> Pythagoras' Theorem Trigonometry Ratio and proportion 	<ul style="list-style-type: none"> Percentages Index laws Standard form 	<ul style="list-style-type: none"> Compound measures Error intervals Area and circumference of circles 	<ul style="list-style-type: none"> Angles Similarity and congruence Charts and graphs
Year 10 Higher	<ul style="list-style-type: none"> Bounds Standard form Fractional indices and surds Highest common factor and lowest common multiple problems 	<ul style="list-style-type: none"> Fractions Converting between fractions, decimals and percentages Percentages in real life 	<ul style="list-style-type: none"> Ratio and proportion Expanding and factorising quadratics Simultaneous equations 	<ul style="list-style-type: none"> Quadratic sequences Equation of a straight line Real-life graphs 	<ul style="list-style-type: none"> Averages from grouped frequency tables Box plots and histograms Sectors of circles Volume and surface area 	<ul style="list-style-type: none"> Pythagoras and trigonometry Angles in polygons Probability trees and Venn diagrams Transformations
Year 11 Foundation	<ul style="list-style-type: none"> Types of numbers Perimeter Area Linear equations Angles Quadratics 	<ul style="list-style-type: none"> Equivalent fractions Percentages Simplifying ratios Probability Averages Graphs and tables 	<i>Revision</i>	<i>Revision</i>		
Year 11 Higher	<ul style="list-style-type: none"> Surds Bounds Ratio Transformations of graphs Trigonometry Quadratics Circle theorems 	<ul style="list-style-type: none"> Loci Vectors Quadratic inequalities Geometric proofs Volume of frustums Velocity time graphs Histograms 	<i>Revision</i>	<i>Revision</i>		