



KS3 Mathematics – Learning Journey

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Year 7	Numbers and Operations <ul style="list-style-type: none"> Place Value Operations Directed Numbers BIDMAS 	2D Shapes <ul style="list-style-type: none"> Symmetry Area Perimeter 	Year 7 Autumn Assessment	Sequences <ul style="list-style-type: none"> Picture Sequences Term-to Term Rule n^{th} Term Rule 	Checking Calculations <ul style="list-style-type: none"> Mental Strategies Rounding and Bounds Estimation Standard Form 	Data Diagrams <ul style="list-style-type: none"> Data Collection Drawing and Interpreting Finding Averages 	FDP <ul style="list-style-type: none"> FDP Equivalence Finding Fractions and % Four Operations Multipliers 	Year 7 Summer Assessment
	Intro to Algebra <ul style="list-style-type: none"> Functions Simplifying Substitution Solving 	Factors and Multiples <ul style="list-style-type: none"> Types of Number Prime Factor Trees HCF and LCM 		Angles <ul style="list-style-type: none"> Drawing and Measuring Angle Rules Parallel Lines Proof and Problem Solving 	Review and Consolidation			
Year 8	Algebra and Brackets <ul style="list-style-type: none"> Index Laws Expanding Factorising Forming and Solving 	Ratio and Proportion <ul style="list-style-type: none"> Dividing in a Ratio Conversion Proportional Reasoning Scales 	Year 8 Autumn Assessment	Measures <ul style="list-style-type: none"> Metric Units and Time Conversion Speed, Distance and Time Density and Pressure 	Loci and Construction <ul style="list-style-type: none"> Accurate Drawing Constructing Triangles Bisectors Loci and Regions 	Probability <ul style="list-style-type: none"> Sets Probability Scale Experimental Probability Probability Diagrams 	Money Matters <ul style="list-style-type: none"> Percentages Money Problems Interest Tax and Wages 	Year 8 Summer Assessment
	3D Shapes <ul style="list-style-type: none"> Nets and VEF Volume Surface Area Problem Solving 	Manipulating Expressions <ul style="list-style-type: none"> Formulae Changing the Subject Proof 		Linear Graphs <ul style="list-style-type: none"> Coordinates Gradient Intercept $y = mx + c$ 	Review and Consolidation			
Year 9	Equations and Inequalities <ul style="list-style-type: none"> Forming and Solving Number Lines Solving Inequalities 	Direct & Inverse Proportion <ul style="list-style-type: none"> Proportional Reasoning Direct Proportion Inverse Proportion 	Year 9 Autumn Assessment	Real-Life Graphs <ul style="list-style-type: none"> Line Graphs Scatter Graphs 	Pythagoras and Trig <ul style="list-style-type: none"> Finding Hypotenuse Finding Shorter Sides SOHCAHTOA Problem Solving 	Year 9 Spring Assessment KS4 Learning Journey Begins...		
	Circles <ul style="list-style-type: none"> Circumference Area Cylinders 	Transformations <ul style="list-style-type: none"> Reflection and Rotation Translation and Enlargement Describing Transformations Similarity and Congruence 		Non-Linear Graphs <ul style="list-style-type: none"> Quadratic Graphs Non-Linear Graphs Simultaneous Equations Solving 				

Number

Algebra

Geometry

Ratio

Statistics

Review

