

Year 8 Curriculum Overview 2015-16

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Module	Module 1: Number	Module 2: Algebraic Expressions	Module 3: 2D Geometry	Module 4: Proportional Reasoning	Module 5: 3D Geometry	Module 6: Statistics
Subject Content	<ul style="list-style-type: none"> Primes and indices Prime factorisation to find LCM, HCF, squares, cubes Add and subtract fractions 	<ul style="list-style-type: none"> Negative numbers and inequality statements Calculate and evaluate expressions with rational numbers Linear equations Expressions and equations from real-world situations 	<ul style="list-style-type: none"> Draw accurate triangles and quadrilaterals Find unknown angles (including parallel lines) Conversion between length units and between area units Area and perimeter of composite figures Area of trapeziums and parallelograms 	<ul style="list-style-type: none"> Convert between percentages and fractions and decimals Percentage increase and decrease, finding the whole given the part and the percentage Ratio (equivalent, of a quantity) and rate Speed, distance, time 	<ul style="list-style-type: none"> Rounding, significant figures and estimation Circumference and area of a circle Visualise and identify 3D shapes and their nets Volume of cuboid, prism, cylinder, composite solids 	<ul style="list-style-type: none"> Collecting and organising data Construction and interpretation of graphs – pictograms, bar charts, pie charts, histograms, line graphs Interpret and compare statistical representations Mean, median and mode averages
Assessment	<ul style="list-style-type: none"> Pre-Learning Assessment Post-Learning Assessment 	<ul style="list-style-type: none"> Pre-Learning Assessment Post-Learning Assessment End of Term Test 	<ul style="list-style-type: none"> Pre-Learning Assessment Post-Learning Assessment 	<ul style="list-style-type: none"> Pre-Learning Assessment Post-Learning Assessment End of Term Test 	<ul style="list-style-type: none"> Pre-Learning Assessment Post-Learning Assessment 	<ul style="list-style-type: none"> Pre-Learning Assessment Post-Learning Assessment End of Year Test
Cross Curricular Opportunities		Science	Art	Science and PE		Science
Social, Moral, Spiritual, Cultural	There is always a focus on group work to facilitate learning in maths. Lessons are designed to give students the opportunity to express their ideas and communicate with others.					
Homework	Homework will be set twice a week. This may be related to work students have covered and also work they have yet to start in class.					