

Year 9 Curriculum Overview 2015-16

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Module	Module 1: Graphs and Proportion	Module 2: Algebraic Expressions	Module 3: 2D Geometry	Module 4: Equations and Inequalities	Module 5: Geometry	Module 6: Statistics
Subject Content	<ul style="list-style-type: none"> • Cartesian coordinates • Linear graphs • Direct and inverse proportion • Calculating with scales • Standard form 	<ul style="list-style-type: none"> • Sequences: n^{th} term • Change the subject of a formula • Algebraic manipulation • Expansion • Factorisation 	<ul style="list-style-type: none"> • Construction and loci • Triangles and quadrilaterals (angles on diagonals) • Congruence and similarity • Angles in polygons 	<ul style="list-style-type: none"> • Constructing and solving equations and inequalities • Graphical solutions to simultaneous linear equations • Quadratic graphs 	<ul style="list-style-type: none"> • Pythagoras' theorem • Exploring trigonometry with a 30/60/90 triangle • Transformations (translation, rotation, reflection) • Use known angle and shape facts to obtain simple proofs 	<ul style="list-style-type: none"> • Probability • Mean of grouped data • Comparing two data sets • Stem-and-leaf diagrams • Scatter graphs
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
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.					