Year 9 Overview

9.1 Graphs and proportion	9.1.1 Cartesian coordinates
	9.1.2 Linear graphs
	9.1.3 Direct and Indirect proportion
	9.1.4 Calculating with scales
	9.1.5 Sequences (nth term)
	8.4.5 Speed, distance and time
9.2 Algebraic expressions	9.2.1 Change the subject of a formula
	9.2.2 Expansion
	9.2.3 Factorisation
	9.2.4 Algebraic fractions
9.3 2D Geometry	9.3.1 Construction and Loci
	9.3.2 Tringles and quadrilaterals, angles on diagonals
	9.3.3 Angles in polygons
	9.3.4 Congruence and similarity
9.4 Equations and inequalities	9.4.1 Equations
	9.4.2 Inequalities
	9.4.3 Constructing equations and Inequalities
	9.4.4 Quadratic equations
	9.4.5 Simultaneous linear equations
9.5 Probability	9.5.1 Probability scale and listing outcomes
	9.5.2 Independent events and Tree diagrams
	9.5.3 Experimental and Theoretical Probability
	9.5.4 Sets and Venn Diagrams
9.6 Statistics	9.6.1 Comparing two data sets
	9.6.2 Stem and Leaf diagrams
	9.6.3 Averages of grouped data
	9.6.4 Scatter graphs

Term 2A - 2D Geometry

Topic	Small Steps
9.3.1 Construction and Loci	a) Construct the midpoint and perpendicular bisector of a line segment b) Construct the perpendicular from a point to a line and from a point on a line c) Bisect angles d) Find simple loci e) Find the locus of a point that moves f) Use ICT to explore constructions
9.3.2 Tringles and quadrilaterals, angles on diagonals	a) Know the properties of diagonals in quadrilaterals
9.3.3 Angles in polygons	a) Know and use interior angle facts for regular polygons b) Know and use exterior angle facts for regular polygons
9.3.4 Congruence and similarity	a) Identify and use congruent shapes b) Identify and use similarity c) Use similarity to find lengths of objects that have been enlarged or reduced using the scale factor