



Subject	Year	Term
Mathematics	9	1
Topic		
Algebra and Constructions		
Content (Intent)		
Prior Learning (Topic): Algebra, 2D shapes, properties of shapes		
• Straight line graphs • Forming & Solving Equation • Testing Conjectures • Three Dimensional Shapes • Constructions & congruency		
Future Learning (Topic) Algebra and Constructions		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
• Lines parallel to axes • Tables of values • Gradients and intercepts, $y=mx+c$ • Inequalities including solving • Solving equations • Formulae including re-arranging • True or False, show that, conjectures	<u>Ongoing Assessment</u> • Q&A in plenary • Mini-whiteboards • Self and Peer assessment	
	• One online homework per week • End of unit tests	
• Name 2D and 3D shapes, recognise prisms • Nets of 3D shapes • Plans and elevations • Area, surface area and volume • Draw and measure angles • Loci and constructions • Congruency	<u>Formal Assessment</u> December – Assessment point 1	
How can parents help at home?		
Encourage use of SparxMaths or MathsGenie Review previously taught topics regularly		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
Reading Direct to the following websites; Sparxmaths.com www.mathsgenie.co.uk	Vocabulary Equation, Gradient, slop, steep, positive, Negative, parallel, straight line, inequality, greater/less than, solution, unknown, inverse, solve, factor, multiple, prime, common, odd, even, express, dimensions, cube\cuboid, cylinder, cone, sphere, pyramid, tetrahedron, scale, ratio, multiplier, estimate, conversion	