



Subject	Year	Term
Mathematics	9	2
Topic		
Number and Geometry		
Content (Intent)		
Prior Learning (Topic)	Number, number sense and geometry	
• Number • Using Percentages • Maths & Money • Deduction • Rotation & Translation • Pythagoras theorem		
Future Learning (Topic)	Number and Geometry	
What Knowledge and Skills will be taught (Implementation)		How will your understanding be assessed & recorded (Impact)
• Integers, real and rational numbers • Directed number • Solving problems • HCF and LCM • Fractions • Percentages • Interest, wages and taxes and exchange rates • Solve angle problems • Conjectures with angles and shapes		<u>Ongoing Assessment</u> • Q&A in plenary • Mini-whiteboards • Self and Peer assessment • One online homework per week • End of unit tests
• Link constructions and geometrical reasoning(E) • Rotation, translation and reflection • Combine transformations • Find missing sides in right angled triangles (Pythagoras) • Proof of Pythagoras • Pythagoras in 3D (E)		
How can parents help at home?		
Encourage use of Sparxmaths.com [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 List Integer, real, rational, irrational, root, fraction, decimal, percentage, convert, equivalent, total, debit, credit, balance, expense, bill, alternate, corresponding, co-interior, transversal, parallel, shape, rotational, symmetry, order, regular, irregular, hypotenuse, right-angled triangle, opposite, adjacent	