

Subject		Year		Term	
Maths		7		3	
Topics					
Speed, distance, time, properties of number, add and subtract fractions, angles and polygons					
Content (Intent)					
Prior Learning (Topic)		Four Operations, Factors and Multiples, Multiplication and Division by Powers of 10, Perimeter and Area, Directed Numbers, Fractions and Decimals, Problem Solving			
- Geometric reasoning - Displaying data correctly		- Strategy to solve problems with different types of number - Basic probability			
Future Learning (Topic)		Proportional Reasoning and Representations			
What Knowledge and Skills will be taught (Implementation)			Content (Intent)	How will your understanding be assessed & recorded (Impact)	
- Convert units of time, solve problems with time - Calculate speed, distance and time and solve problems - Draw and interpret distance-time graphs - Identify multiples, factors, primes, squares, cube and triangular numbers - Find square roots and cube roots, explore higher powers and roots - Highest common factor and lowest common multiple.				<u>Ongoing Assessment</u> - Q&A in plenary - Mini-whiteboards - Self and Peer assessment - One online homework per week - End of unit tests	
- Simplify a fraction, convert between mixed numbers and improper fractions - Add and subtract with fractions and integers - Use equivalence to add and subtract decimals and fractions - Substitution and solving equations with fractions - Draw and measure lines and angles, use geometric notation - Angles around a point, on a straight line - Recognise and name polygons - Angles in a triangle and quadrilateral - Angles in parallel lines and polygons - Simple proofs				<u>Formal Assessment</u> June – Assessment point 2	
How can parents help at home?					
Encourage use of Sparxmaths Practise times tables on a regular basis. 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 Lists Integer Geometry Line segment Angle Polygon Scalene Isosceles		Parallel Prime Perpendicular Multiple Factor Interior angles	