Year 5 Autumn 1

Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7	
Maths Outcomes	Cross Curricular Links	Maths Outcomes	Cross Curricular Links	Maths Outcomes	Cross Curricular Links	Maths Outcomes	Cross Curricular Links	Maths Outcomes	Cross Curricular Links	Maths Outcomes	Cross Curricular Links	Maths Outcomes	Cross Curricular Links
read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit		count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000		round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000		add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)		use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy		identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers		multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000	
count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000		read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit		Pupils identify the place value in large whole numbers.		add and subtract numbers mentally with increasingly large numbers		solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why		know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers		recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3})	
solve number problems and practical problems that involve all of the above		solve number problems and practical problems that involve all of the above				Pupils practise using the formal written methods of columnar addition and subtraction with increasingly large numbers to aid fluency		add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)		establish whether a number up to 100 is prime and recall prime numbers up to 19		solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes	
read Roman numerals to 1,000 (M) and recognise years written in Roman numerals						They practise mental calculations with increasingly large numbers to aid fluency (for example, 12,462 – 2,300 = 10,162).		add and subtract numbers mentally with increasingly large numbers		use and understand the terms factor, multiple and prime, square and cube numbers.		use and understand the terms factor, multiple and prime, square and cube numbers.	
Pupils identify the place value in large whole numbers.										understand the terms factor, multiple and prime, square and cube numbers and use them to construct equivalence statements		understand the terms factor, multiple and prime, square and cube numbers and use them to construct equivalence statements	