	St Bernadette's Medium Term Planning Maths Year 5	

Autumn 1

	Maths Curriculum Objectives	**Arithmetic Focus**
Week 1 Number & Place Value	To read Roman Numerals to 1,000 and to recognise years written in Roman Numerals. To read numbers to 1,000,000 and determine the value of each digit. To read and write numbers up to 1,000,000 and determine the value of each digit. To solve number problems and practical problems that involve all of the above.	Times Tables/Basic Number Bonds to 100
Week 2 Number & Place Value	To count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000. To order and compare numbers to 1,000,000 and determine the value of each digit. To solve number problems and practical problems that involve all of the above.	Columnar addition with and without carrying (numbers with 4 or more digits)
Week 3 Number & Place Value	To round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000. To interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero. To solve number problems and practical problems that involve all of the above.	Columnar subtraction with and without exchanging (numbers with 4 or more digits)
Week 4 Four Operations	To add whole numbers with more than 4 digits, including using formal written methods. To subtract whole numbers with more than 4 digits, including using formal written methods. To add and subtract numbers mentally with increasingly large numbers. To use rounding to check answers to calculations and determine, in the context of a	Multiplying and dividing 2/3 digits by 1 digit **To multiply and divide numbers mentally drawing upon known facts.**

	problem to improve levels of accuracy. To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	
Week 5 Four Operations	To identify multiples and common multiples. To identify factors, including finding all factor pairs of a number, and common factors of two numbers. To know and use the vocabulary of prime numbers, prime factors and composite numbers. To establish whether a number up to 100 is prime and recall prime numbers up to 19. To solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.	Multiplying and dividing 2/3/4 digits by 1 digit
Week 6 Four Operations	To recognise and use square numbers and cube numbers and the notation for squared and cubed. To multiply whole numbers and those involving decimals by 10 100 and 1,000. To divide whole numbers and those involving decimals by 10 100 and 1,000. To multiply numbers up to 4 digits by a 1-digit number using formal written methods. To multiply and divide numbers mentally drawing upon known facts. To solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.	Mixture of Addition, Subtraction, Multiplication and Division **To solve problems involving addition, subtractions, multiplication and division and a combination of these, including understanding the meaning of the equals sign.**
Week 7 Four Operations	To multiply numbers up to 4 digits by two-digit number using a formal written method, including long multiplication for two-digit numbers. To divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context. To solve problems including multiplication and division, including scaling by simple fractions and problems involving simple rates. To multiply and divide numbers mentally drawing upon known facts.	Fractions - Adding and subtracting with the same denominator