Maths Medium Term Overview

Year Group 5

Spring 2

	Curious		Confident	Creative
Relationships Education	Keeping Safe			Healthy me
	Equalities and Diversity link/Questions: Promoting confidence in maths for girls			
National Curriculum Foci	Block 1: ● Place value ● The four operations (reasoning) ● Negative numbers ● Roman numerals		Block 2: ● Adding decimals/ Subtracting decimals ● Multiplying decimals by 10,100,1000 ● Adding fractions ● Subtracting fractions ● Multiplying fractions ● Fraction equivalents ● Fraction problem solving	Block 3: ● Based on week 4 assessments we will plan and address class areas for development.
White Rose Foci	● Pupils should be taught to: 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		● Compare and order fractions whose denominators are all multiples of the same number ● Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	

	number up to 1 000 000 ● Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero ● Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 ● Solve number problems and practical problems that involve all of the above read ● Roman numerals to 1000 (M) and recognise years written in Roman numerals.	● Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 5 2 + 5 4 = 5 6 = 1 5 1] ● Add and subtract fractions with the same denominator and denominators that are multiples of the same number ● Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams read and write decimal numbers as fractions [for example, 0.71 = 100 71] ● Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents ● Round decimals with two decimal places to the nearest whole number and to one decimal place read, write, order and compare numbers with up to three decimal places ● Solve problems involving number up to three decimal places recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal solve problems which require knowing percentage and decimal equivalents	

		of 2 1 , 4 1 , 5 1 , 5 2 , 5 4 and those fractions with a denominator of a multiple of 10 or 25.	
National curriculum links	• Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) • Add and subtract numbers mentally with increasingly large numbers • Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy • Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. • Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers • Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers establish whether a number up to 100 is prime and recall prime numbers up to 19 • Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including		

long multiplication for two-digit numbers

- Multiply and divide numbers mentally drawing upon known facts

- 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

- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

- Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes

- Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign

- Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

Approximate time	2 weeks	2 weeks	2 weeks