



Maths Medium Term Plan

Year Group 5

Autumn 1

Enquiry Question: Could humans ever live on another planet?

Relationships Education	Me in my World	Families and Friendship
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	Curious	Confident	Creative
	Equalities and Diversity link/Questions: Promoting confidence in maths for girls		
	Block 1	Block 2	Block 3
Foci	Place Value and addition and subtraction	Multiplication and division	Statistics and measurement: perimeter and area
White Rose Maths Small Steps	<ul style="list-style-type: none"> Writing numbers to a million Comparing numbers to a million How to tackle a reasoning question Rounding to the nearest 10,100, 1000 and 10,000 Negative numbers Roman numerals Add whole numbers with more than 4 digits (column method) Add two 4-digit numbers - one exchange and more than one Round to estimate and approximate Multi-step addition and subtraction problems Subtract two 4-digit numbers - one exchange and more than one 	<ul style="list-style-type: none"> Multiples Factors and common factors Prime numbers Square and cube numbers Multiply by 10,100,1000 Divide by 10,100,1000 Multiples of 10,100,1000 Puzzles and reasoning Number - Multiplication and Division 	<ul style="list-style-type: none"> Interpret charts Comparison, sum and difference Draw, read, solve and interpret line graphs Use line graphs to sort problems Read and interpret tables Two way tables Times tables Measure perimeter Perimeter on a grid Perimeter of rectangles Perimeter of rectilinear shapes Calculating perimeter Counting squares Counting squares Area of rectangles Area of compound Area of irregular shapes

	<ul style="list-style-type: none"> Subtract whole numbers with more than 4 digits (column method) 		
National Curriculum Link	<ul style="list-style-type: none"> 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 interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0 round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 solve number problems and practical problems that involve all of the above read Roman numerals to 1,000 (M) and recognise years written in Roman numerals. Add and subtract numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) add and subtract numbers mentally with increasingly large numbers 	<ul style="list-style-type: none"> 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 (non-prime) 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 1,000 recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³) solve problems involving 	<ul style="list-style-type: none"> convert between different units of metric measure understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres calculate and compare the area of rectangles (including squares) including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes estimate volume and capacity solve problems involving converting between units of time use all four operations to solve problems involving measure using decimal notation including scaling.



use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

multiplication and division, including using their knowledge of factors and multiples, squares and cubes

Approximate time	2-3 weeks	2 weeks	2 weeks
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