

Autumn 2023				
BLOCK	WEEKS	KEY VOCABULARY	SMALL STEPS	NC OBJECTIVES
Number – Place Value	1-4	Numerals, Roman numerals, patterns, representations, digits, round up, round down, multiple, thousands, hundreds, tens, ones, column, place value, representations, estimate, number line, more, less, compare, symbols, statements, order, ascending, descending, greatest, smallest, increase, decrease, sequence, positive, negative, minus.	Represent numbers to 1000 Partition numbers to 1000 Number line to 1000 Thousands Represent numbers to 10,000 Partition numbers to 10,000 Flexible partitioning of numbers to 10,000 Find 1, 10, 100, 1000 more or less Number line to 10,000 Estimate on a number line to 10,000 Compare numbers to 10,000 Order numbers to 10,000 Roman numerals Round to the nearest 10, 100, 1000	<u>Count in multiples of 6, 7, 9, 25 and 1000</u> Find 1000 more or less than a given number Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones) Order and compare numbers beyond 1000 Identify, represent and estimate numbers using different representations Round any number to the nearest 10, 100 and 1000 Solve number and practical problems that involve all of the above and with increasingly large positive numbers Count backwards through zero to include negative numbers
Number – Addition and subtraction	5-7	Addition, subtraction, thousands, hundreds, tens ones, concrete/pictorial representations, mental, columns, exchange, place value, calculation, inverse, efficient, partition, take away, find the difference, part-whole, bar model, rounding, estimate, strategies	Add and subtract 1s, 10, 100s and 1000s Add two 4-digit numbers – no exchange Add two 4-digit numbers – one exchange Add two 4-digit numbers – more than one exchange Subtract two 4-digit numbers – no exchange Subtract two 4-digit numbers – one exchange Subtract two 4-digit numbers – more than one exchange Efficient subtraction Estimate answers Checking strategies	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. Estimate and use inverse operations to check answers to a calculation. Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.
Measurement - Area	8	Area, space, rectilinear, shapes, count, greater, smaller, order	What is area? Count squares Make shapes Compare areas	Find the area of rectilinear shapes by counting squares
Number – Multiplication and division	9 - 12	Commutative law, represent, calculations, concrete, visual, multiply, divide, greater, smaller, position, digits, exchange, place value, direction, sharing, grouping, times tables facts, fluent, links.	Multiples of 3 Multiply and divide by 6 6 times table and division facts Multiply and divide by 9 9 times table and division facts 3,6, and 9 times tables Multiply and divide by 7 7 times table and division facts 11 and 12 times table Multiply by 1 and 0 Divide a number by 1 and itself Multiply 3 numbers	Recall multiplication and division facts for multiplication tables up to 12 x 12. <u>Count in multiples of 6, 7, 9, 25 and 1000.</u> Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers. <u>Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder</u>

				correspondence problems such as which n objects are connected to m objects.
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