



Planning overview

(We aim to teach in a creative way and to ensure that pupils make connections with maths and the wonder of the world, therefore teachers will pick objectives to fit with other areas of the curriculum. The organisation is for guidance purposes and progression).

Number – Place Value

	Autumn Term	Spring Term	Summer Term
Y1 Skills- apply, estimate, connect, use, solve, interpret, conjecture, analyse, investigate, conclude.			
	Knowledge	Knowledge	Knowledge
1	<p>Summer Term Foundation Stage</p> <p>This unit to be completed within the summer term of Foundation Stage – To move on to Unit 2 if appropriate.</p> <p>Numbers to 10 Unit 1</p> <hr/> <p>Numbers to 20 Counting, comparing, order and pattern Making number bonds unit 2, unit 7</p> <p>1. Given a number, identify one more and one less 2. Identify and represent numbers using objects and pictorial representations</p>	<p>Unit 12 – part of</p> <p>1. count to 50, forwards and backwards, beginning with 0 or 1, or from any given number 2. count, read and write numbers to 50 in numerals; 3. count in multiples of twos, fives and tens.</p>	<p>Unit 17 – part of</p> <p>1. count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number 2. count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens 3. given a number, identify ten more and ten less 4. to begin to recognise odd and even numbers in number sequences. 5. recognise and create repeating patterns with objects and with shapes.</p>



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	including the number line, and use the language of: equal to, more than, less than (fewer), most, least 3. read and write numbers from 1 to 20 in numerals and words.		
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	Autumn Term	Spring Term	Summer Term
Y2 Skills-apply, estimate, connect, use, solve, interpret, conjecture, analyse, investigate, conclude.			
	Knowledge	Knowledge	Knowledge
2	Numbers to 1000 Unit 1 1. count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. 2. recognise the place value of each digit in a two-digit number (tens, ones) 3. read and write numbers to at least 100 in numerals and in words 3. understand zero as a placeholder.	Numbers to 1000 Unit 1 1. compare and order numbers from 0 up to 100; use <, > and = signs 2. use place value and number facts to solve problems. 4. partition numbers in different ways (for example, $23 = 20 + 3$ and $23 = 10 + 13$) to support subtraction.	Numbers to 1000 Unit 1 1. compare and order numbers beyond 100 using <, >. and =

	Autumn Term	Spring Term	Summer Term
Y3 Skills-apply, estimate, connect, use, solve, interpret, conjecture, analyse, investigate, conclude.			
	Knowledge	Knowledge	Knowledge
3	Numbers to 10 000 Unit 1	Numbers to 10 000 Unit 1	Numbers to 10 000 Unit 1



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	<p>1. read and write numbers up to 1000 in numerals and in words.</p> <p>2. count from 0 in multiples of 4, 50 and 100; find 10 or 100 more or less than a given number</p> <p>3. recognise the place value of each digit in a three-digit number (hundreds, tens, ones).</p> <p>4. compare and order numbers up to 1000</p>	<p>1. count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.</p> <p>2. recognise the place value of each digit in a three-digit number (hundreds, tens, ones). applying partitioning related to place value using varied and increasingly complex problems, building on work in year 2 (for example, $146 = 100 + 40$ and $6, 146 = 130 + 16$).</p>	<p>1. Pupils now use multiples of 2, 3, 4, 5, 8, 10, 50 and 100.</p>
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	Autumn Term	Spring Term	Summer Term
Y4 Skills- apply, estimate, connect, use, solve, interpret, conjecture, analyse, investigate, conclude.			
	Knowledge	Knowledge	Knowledge
4	<p>Numbers to 100 000</p> <p>Unit 1</p> <p>1. count in multiples of 6, 25 and 1000.</p> <p>2. find 1000 more or less than a given number.</p> <p>3. count backwards through zero to include negative numbers.</p> <p>4. recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p>	<p>Whole numbers</p> <p>Unit 2</p> <p>Decimals</p> <p>Unit 9</p> <p>1. count in multiples of 6, 7, 9, 25 and 1000.</p> <p>2. round any number to the nearest 10, 100 or 1000.</p> <p>3. extend their knowledge of the number system to include the decimal numbers and fractions that they have met so far.</p>	<p>1. read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</p> <p>2. solve number and practical problems that involve all of the above and with increasingly large positive numbers</p>

	Autumn Term	Spring Term	Summer Term
Y5 Skills- apply, estimate, connect, use, solve, interpret, conjecture, analyse, investigate, conclude.			
	Knowledge	Knowledge	Knowledge
5	Whole numbers to 10 000 000	Numbers to 10 000	Numbers to 10 000



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	<p>Unit 1</p> <p>1.read, write, order and compare numbers to at least 500 000 and determine the value of each digit</p> <p>2. read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.</p> <p>3. interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</p>	<p>Unit 1</p> <p>1. count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</p> <p>2. read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</p>	<p>Unit 1</p> <p>1. round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000</p> <p>2. solve number problems and practical problems that involve all of the above</p> <p>3.recognise and describe linear number sequences, including those involving fractions and decimals, and find the term-to-term rule.</p>
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	Autumn Term	Spring Term	Summer Term
Y6 Skills- apply, estimate, connect, use, solve, interpret, conjecture, analyse, investigate, conclude.			
	Knowledge	Knowledge	Knowledge
6	<p>1.read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</p> <p>2. round any whole number to a required degree of accuracy</p> <p>3. use negative numbers in context, and calculate intervals across zero</p> <p>4. solve number and practical problems that involve all of the above.</p>	<p>1.read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</p> <p>2. round any whole number to a required degree of accuracy</p> <p>3. use negative numbers in context, and calculate intervals across zero</p> <p>4. solve number and practical problems that involve all of the above.</p>	<p>1.read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</p> <p>2. round any whole number to a required degree of accuracy</p> <p>3. use negative numbers in context, and calculate intervals across zero</p> <p>4. solve number and practical problems that involve all of the above.</p>