

Term 1		
Unit	NC objectives	Content
Unit 1: Number and place value	<ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.</li> <li>Recognize the place value of each digit in a 3-digit number (hundreds, tens, ones).</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1000 in numerals and in words.</li> </ul>	<p><b>Week 1: Reading and writing 3-digit numbers</b></p> <ul style="list-style-type: none"> <li>Recognize the place value of each digit in a 3-digit number (hundreds, tens, ones).</li> <li>Read and write numbers up to 1000 in numerals and in words.</li> <li>Identify and represent numbers using different representations.</li> </ul>
		<p><b>Week 2: Counting in sequences</b></p> <ul style="list-style-type: none"> <li>Find 10 or 100 more or less than a given number.</li> <li>Count from 0 in multiples of 50 and 100.</li> <li>Recognize the place value of each digit in a 3-digit number (hundreds, tens, ones).</li> <li>Identify and represent numbers using different representations.</li> </ul>
Unit 2: Addition and subtraction	<ul style="list-style-type: none"> <li>Add and subtract numbers mentally, including:                             <ul style="list-style-type: none"> <li>a 3-digit number and ones</li> <li>a 3-digit number and tens</li> <li>a 3-digit number and hundreds.</li> </ul> </li> <li>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>	<p><b>Week 3: Strategies for adding and subtracting with 3-digit numbers</b></p> <ul style="list-style-type: none"> <li>Add and subtract numbers mentally, including:                             <ul style="list-style-type: none"> <li>a 3-digit number and ones;</li> <li>a 3-digit number and tens;</li> <li>a 3-digit number and hundreds.</li> </ul> </li> <li>Solve problems, including missing number problems, using number facts and place value.</li> </ul>
		<p><b>Week 4: Choosing effective methods for solving addition problems</b></p> <ul style="list-style-type: none"> <li>Solve problems, including missing number problems, using number facts and place value.</li> <li>Solve problems, including missing number problems, using more complex addition.</li> <li>Add numbers with up to three digits, using formal written methods of columnar addition.</li> </ul>
Unit 3: Geometry: properties of shapes	<ul style="list-style-type: none"> <li>Draw 2D shapes and make 3D shapes using modelling materials; recognize 3D shapes in different orientations and describe them.</li> </ul>	<p><b>Week 5: Comparing triangles and quadrilaterals</b></p> <ul style="list-style-type: none"> <li>Draw 2D shapes.</li> <li>Recognize angles as a property of shape.</li> </ul>

	<ul style="list-style-type: none"> <li>• Recognize angles as a property of shape or a description of a turn.</li> <li>• Identify right angles, recognize that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.</li> <li>• Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> </ul>	<p><b>Week 6: Exploring angles as a measure of turn</b></p> <ul style="list-style-type: none"> <li>• Recognize angles as a description of a turn.</li> <li>• Identify right angles, recognize that two right angles make a half-turn, three make three-quarters of a turn and four a complete turn.</li> <li>• Identify whether angles are greater than or less than a right angle.</li> <li>• Identify pairs of perpendicular and parallel lines.</li> </ul>
<p>Unit 4: Multiplication and division</p>	<ul style="list-style-type: none"> <li>• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>• Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods.</li> <li>• solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>	<p><b>Week 7: Making connections between multiplication tables</b></p> <ul style="list-style-type: none"> <li>• Recall and use multiplication and division facts for the [2, 5, 10], 4 and 8 multiplication tables.</li> <li>• Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental methods.</li> </ul> <p><b>Week 8: Problem-solving in multiplicative contexts</b></p> <ul style="list-style-type: none"> <li>• Solve positive integer scaling problem.</li> <li>• Recall and use multiplication and division facts for the [2, 5, 10], 4 and 8 multiplication tables.</li> <li>• Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental methods.</li> </ul>
<p>Unit 5: Fractions</p>	<ul style="list-style-type: none"> <li>• Recognize, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> <li>• Recognize and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</li> <li>• Solve problems that involve all of the above.</li> </ul>	<p><b>Week 9: A fraction represents a part of a whole</b></p> <ul style="list-style-type: none"> <li>• Recognize, find and write fractions of a discrete set of objects: unit fractions with small denominators.</li> <li>• Recognize, find and write fractions of a discrete set of objects: non-unit fractions with small denominators.</li> <li>• Solve problems that involve the above.</li> </ul> <p><b>Week 10: A fraction represents a number</b></p> <ul style="list-style-type: none"> <li>• Recognize and use fractions as numbers: unit fractions with small denominators.</li> <li>• Recognize and use fractions as numbers: non-unit fractions with small denominators.</li> <li>• Solve problems that involve the above.</li> </ul>

Unit 6: Measurement	<ul style="list-style-type: none"> <li>• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (ℓ/ml).</li> <li>• Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</li> <li>• Know the number of seconds in a minute and the number of days in each month, year and leap year.</li> </ul>	<p><b>Week 11: Measuring, comparing and ordering lengths</b></p> <ul style="list-style-type: none"> <li>• Measure, compare, add and subtract lengths (m/cm/mm).</li> </ul> <p><b>Week 12: Analogue clock faces and units of time</b></p> <ul style="list-style-type: none"> <li>• Tell and write the time from an analogue clock.</li> <li>• Estimate and read time with increasing accuracy to the nearest minute.</li> <li>• Know the number of seconds in a minute and the number of days in each month, year and leap year.</li> </ul>

Term 2		
Unit	NC objectives	Content
Unit 7: Number and place value	<ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.</li> <li>Compare and order numbers up to 1000.</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Read and write numbers up to 1000 in numerals and in words.</li> <li>Solve number problems and practical problems involving these ideas.</li> </ul>	<p><b>Week 1: Big, bigger, biggest ... small, smaller, smallest</b></p> <ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 8.</li> <li>Identify and represent numbers using different representations.</li> <li>Compare and order numbers up to 1000.</li> <li>Read and write numbers up to 1000 in numerals and words.</li> <li>Solve number problems and practical problems involving these ideas.</li> </ul>
Unit 8: Addition and subtraction	<ul style="list-style-type: none"> <li>Add and subtract numbers mentally, including:               <ul style="list-style-type: none"> <li>a 3-digit number and ones</li> <li>a 3-digit number and tens</li> <li>a 3-digit number and hundreds.</li> </ul> </li> <li>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Estimate the answer to a calculation and use inverse operations to check answers.</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>	<p><b>Week 2: Strategies for adding and subtracting with 3-digit numbers</b></p> <ul style="list-style-type: none"> <li>Add and subtract numbers mentally, including:               <ul style="list-style-type: none"> <li>a 3-digit number and ones</li> <li>a 3-digit number and tens</li> <li>a 3-digit number and hundreds.</li> </ul> </li> <li>Estimate the answer to a calculation (2-digit numbers) and use inverse operations to check answers.</li> <li>Solve problems, including missing number problems, using number facts and place value.</li> <li>Solve problems, including missing number problems, using more complex subtraction.</li> </ul>
		<p><b>Week 3: Developing methods of calculation</b></p> <ul style="list-style-type: none"> <li>Subtract numbers with up to three digits, using formal written methods of columnar subtraction.</li> <li>Solve problems, including missing number problems, using number facts and place value.</li> <li>Solve problems, including missing number problems, using more complex subtraction.</li> <li>Estimate the answer to a calculation (2-digit numbers) and use inverse operations to check answers.</li> </ul>

Unit 9: Geometry: properties of shapes	<ul style="list-style-type: none"> <li>• Draw 2-d shapes and make 3D shapes using modelling materials; recognize 3D shapes in different orientations and describe them.</li> <li>• Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> </ul>	<b>Week 4: Making 3D shapes</b> <ul style="list-style-type: none"> <li>• Make 3D shapes using modelling materials; recognize 3D shapes in different orientations and describe them.</li> <li>• Identify horizontal and vertical lines.</li> </ul>
Unit 10: Measurement	<ul style="list-style-type: none"> <li>• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (ℓ/ml).</li> <li>• Add and subtract amounts of money to give change, using both £ and p in practical contexts.</li> </ul>	<b>Week 5: Estimate, compare and use measures, including money</b> <ul style="list-style-type: none"> <li>• Measure, compare, add and subtract: mass (kg/g).</li> <li>• Measure, compare, add and subtract: volume/capacity (l/ml).</li> <li>• Add and subtract amounts of money to give change, using both £ and p in practical contexts.</li> </ul>
Unit 11: Multiplication and division	<ul style="list-style-type: none"> <li>• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>• Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods.</li> <li>• Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>	<b>Week 6: Multiplication and division facts</b> <ul style="list-style-type: none"> <li>• Recall and use multiplication and division facts for the [2, 5, 10], 3, 4 and 8 multiplication tables.</li> <li>• Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
		<b>Week 7: Multiplication and division methods</b> <ul style="list-style-type: none"> <li>• Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods.</li> </ul>
Unit 12: Fractions	<ul style="list-style-type: none"> <li>• Recognize and show, using diagrams, equivalent fractions with small denominators.</li> <li>• Add and subtract fractions with the same denominator within one whole, e.g. <math>\frac{5}{7} + \frac{1}{7} = \frac{6}{7}</math>.</li> <li>• Compare and order unit fractions, and fractions with the same denominators.</li> </ul>	<b>Week 8: Are these two fractions equal? If not, which is larger?</b> <ul style="list-style-type: none"> <li>• Recognize and show, using diagrams, equivalent fractions with small denominators.</li> <li>• Compare and order unit fractions.</li> <li>• Compare and order fractions with the same denominators.</li> </ul>
		<b>Week 9: Adding and subtracting fractions with the same denominator (within one whole)</b> <ul style="list-style-type: none"> <li>• Add fractions with the same denominator within one whole, e.g. <math>\frac{5}{7} + \frac{1}{7} = \frac{6}{7}</math>.</li> <li>• Subtract fractions with the same denominator within one whole, e.g. <math>\frac{5}{7} - \frac{1}{7} = \frac{4}{7}</math>.</li> </ul>

<p>Unit 13: Statistics</p>	<ul style="list-style-type: none"> <li>• Interpret and present data using bar charts, pictograms and tables.</li> <li>• Solve one-step and two-step questions, e.g. <i>How many more?</i> and <i>How many fewer?</i> using information presented in scaled bar charts and pictograms and tables.</li> </ul>	<p><b>Week 10: Collecting, representing and summarizing data</b></p> <ul style="list-style-type: none"> <li>• Interpret and present data using bar charts, pictograms and tables.</li> <li>• Solve one-step and two-step questions, e.g. <i>How many more?</i> and <i>How many fewer?</i> using information presented in scaled bar charts and pictograms and tables.</li> </ul>
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Term 3		
Unit	NC objectives	Content
Unit 14: Number and place value	<ul style="list-style-type: none"> <li>Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.</li> <li>Recognize the place value of each digit in a 3-digit number (hundreds, tens, ones).</li> <li>Read and write numbers up to 1000 in numerals and in words.</li> <li>Solve number problems and practical problems involving these ideas.</li> </ul>	<p><b>Week 1: Solving number problems using our counting skills</b></p> <ul style="list-style-type: none"> <li>Find 10 more or less than a given number.</li> <li>Count from 0 in multiples of 50 and 100.</li> <li>Count from 0 in multiples of 4 and 8.</li> <li>Recognize the place value of each digit in a 3-digit number (hundreds, tens ones).</li> <li>Read and write numbers up to 1000 in numerals and words.</li> <li>Solve number problems and practical problems involving these ideas.</li> </ul>
Unit 15: Measurement	<ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (ℓ/ml).</li> <li>Measure the perimeter of simple 2D shapes.</li> </ul>	<p><b>Week 2: Measuring perimeter</b></p> <ul style="list-style-type: none"> <li>Measure, compare, add and subtract: lengths (m/cm/mm).</li> <li>Measure the perimeter of simple 2D shapes.</li> </ul>
Unit 16: Addition and subtraction	<ul style="list-style-type: none"> <li>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Estimate the answer to a calculation and use inverse operations to check answers.</li> <li>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>	<p><b>Week 3: Adding and subtracting larger numbers</b></p> <ul style="list-style-type: none"> <li>Add numbers with up to three digits, using formal written methods of columnar addition.</li> <li>Subtract numbers with up to three digits, using formal written methods of columnar subtraction.</li> <li>Estimate the answer to a calculation (3-digit numbers) and use inverse operations to check answers.</li> <li>Solve problems, including missing number problems, using more complex addition.</li> <li>Solve problems, including missing number problems, using more complex subtraction.</li> </ul>
Unit 17: Multiplication and division	<ul style="list-style-type: none"> <li>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods.</li> </ul>	<p><b>Week 4: Reasoning in multiplication and division contexts</b></p> <ul style="list-style-type: none"> <li>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods.</li> </ul>

<p>Unit 18: Measurement</p>	<p>Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.</p> <p>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Compare durations of events (e.g. to calculate the time taken by particular events or tasks).</p>	<p><b>Week 5: Telling the time and the time of day</b></p> <ul style="list-style-type: none"> <li>Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.</li> <li>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours. Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> <li>Compare durations of events (e.g. to calculate the time taken by particular events or tasks).</li> </ul>
<p>Unit 19: Fractions</p>	<ul style="list-style-type: none"> <li>Count up and down in tenths; recognize that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10.</li> <li>Recognize and show, using diagrams, equivalent fractions with small denominators.</li> <li>Add and subtract fractions with the same denominator within one whole (e.g. <math>57 + 17 = 67</math>).</li> <li>Compare and order unit fractions, and fractions with the same denominators.</li> <li>Solve problems that involve all of the above.</li> </ul>	<p><b>Week 6: 10 equal parts</b></p> <ul style="list-style-type: none"> <li>Count up and down in tenths.</li> <li>Recognize that tenths arise from dividing an object into 10 equal parts.</li> <li>Recognize that tenths arise from dividing 1-digit numbers or quantities by 10.</li> <li>Add and subtract fractions with the same denominator within one whole.</li> </ul>
		<p><b>Week 7: Comparing and ordering fractions</b></p> <ul style="list-style-type: none"> <li>Recognize and show, using diagrams, equivalent fractions with small denominators (one of which is 10).</li> <li>Compare and order fractions with the same denominator (10).</li> <li>Solve problems that involve all of the above.</li> </ul>
<p>Unit 20: Multiplication and division</p>	<ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>	<p><b>Week 8: Further reasoning in multiplication and division contexts</b></p> <ul style="list-style-type: none"> <li>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
<p>Unit 21: Statistics</p>	<ul style="list-style-type: none"> <li>Interpret and present data using bar charts, pictograms and tables.</li> <li>Solve one-step and two-step questions, e.g. How many more? and How many fewer? using information presented in scaled bar charts and pictograms and tables.</li> </ul>	<p><b>Week 9: Representing, interpreting and responding to data</b></p> <ul style="list-style-type: none"> <li>Interpret and present data using bar charts, pictograms and tables.</li> <li>Solve one-step and two-step questions, e.g. <i>How many more?</i> and <i>How many fewer?</i> using information presented in scaled bar charts and pictograms and tables.</li> </ul>



<p>Unit 22: Problem solving</p>	<ul style="list-style-type: none"> <li>• Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> <li>• Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> <li>• Add and subtract amounts of money to give change, using both £ and p in practical contexts.</li> </ul>	<p><b>Week 10: Solving problems involving number and measure</b></p> <ul style="list-style-type: none"> <li>• Solve problems, including missing number problems, using number facts and place value.</li> <li>• Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> <li>• Add and subtract amounts of money to give change, using both £ and p in practical contexts.</li> </ul>
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