

## Year 3—Autumn Term—NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14		
<p><u>Number – Place Value</u></p> <p>Identify, represent and estimate numbers using different representations.</p> <p>Find 10 or 100 more or less than a given number</p> <p>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).</p> <p>Compare and order numbers up to 1000</p> <p>Read and write numbers up to 1000 in numerals and in words.</p> <p>Solve number problems and practical problems involving these ideas.</p> <p>Count from 0 in multiples of 4, 8, 50 and 100</p>			<p><u>Number – Addition and Subtraction</u></p> <p>Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.</p> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</p> <p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p>			<p><u>Number – Multiplication and Division</u></p> <p>Count from 0 in multiples of 4, 8, 50 and 100</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.</p>		<p><u>Number – Addition and Subtraction</u></p> <p>Add and subtract numbers mentally, including: a three-digit number and ones; a three digit number and tens; a three digit number and hundreds.</p> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</p> <p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p>		<p><u>Number – Multiplication and Division</u></p> <p>Count from 0 in multiples of 4, 8, 50 and 100</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.</p>		<p><u>Measurement – money</u></p> <p>Add and subtract amounts of money to give change, using both £ and p in practical contexts.</p>		<p><u>Statistics</u></p> <p>Interpret and present data using bar charts, pictograms and tables.</p> <p>Solve one-step and two-step questions [for example, ‘How many more?’ and ‘How many fewer?’] using information presented in scaled bar charts and pictograms and tables.</p>	

# Year 3—Autumn Term—Small Steps

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
<u>Number: Place Value</u>			<u>Number: Addition and Subtraction</u>			<u>Number – Multiplication and Division</u>		<u>Number : Addition and Subtraction</u>		<u>Number – Multiplication and Division</u>		<u>Measure-ment—Money</u>	<u>Statistics</u>
Hundreds			Add and subtract multiples of 100			Multiplication – equal groups Multiplying by 3		Subtract a 3-digit number from a 3-digit number – no exchange		Count from 0 in multiples of 50 and 100.		Pounds and pence Converting pounds and pence Adding money Subtracting money Giving change	Pictograms Bar Charts
Represent numbers to 1,000 100s, 10s, 1s			Add and subtract 3-digit numbers and ones – not crossing 10			Dividing by 3		Subtract a 3-digit number from a 3-digit number – exchange		Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.			
Number line to 1,000			Add 3-digit and 1-digit numbers – crossing 10			The 3 times-table Multiplying by 4		Estimate answers to calculations		Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.			
Find 1, 10, 100 more or less than a given number			Subtract a 1-digit number from a 3-digit number – crossing 10			Dividing by 4		Solve problems, including missing number problems,		Link problems to 2,3,4,5,8,10,50 and 100 times tables			
Compare objects to 1,000			Add and subtract 3-digit numbers and tens – not crossing 100			The 4 times-table Multiplying by 8		using number facts, place value,					
Compare numbers to 1,000			Add a 3-digit number and tens – crossing 100			Dividing by 8		and more complex addition and subtraction.					
Order numbers			Subtract tens from a 3-digit number – crossing 100			The 8 times-table							
Count in 50s			Add and subtract 100s										
			Spot the pattern – making it explicit										
			Add and subtract a 2-digit and 3-digit number – not crossing 10 or 100										
			Add a 2-digit and 3-digit number – crossing 10 or 100										
			Subtract a 2-digit number from a 3-digit number – cross the 10 or 100										
			Add two 3-digit numbers – not crossing 10 or 100										
			Add two 3-digit numbers – crossing 10 or 100										
			Estimate answers to calculations										

# Year 3—Spring Term—NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p><u>Number – Multiplication and Division</u></p> <p>Count from 0 in multiples of 4, 8, 50 and 100</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.</p>	<p><u>Measurement – length and perimeter</u></p> <p>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</p> <p>Measure the perimeter of simple 2D shapes.</p>	<p><u>Number – Multiplication and Division</u></p> <p>Count from 0 in multiples of 4, 8, 50 and 100</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to</p>	<p><u>Statistics</u></p> <p>Interpret and present data using bar charts, pictograms and tables.</p> <p>Solve one-step and two-step questions [for example, ‘How many more?’ and ‘How many fewer?’] using information presented in scaled bar charts and pictograms and tables.</p>	<p><u>Number – fractions</u></p> <p>Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Solve problems that involve all of the above.</p>	<p><u>Measurement – length and perimeter</u></p> <p>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</p> <p>Measure the perimeter of simple 2D shapes.</p>	<p><u>Measurement – time</u></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.</p> <p>Record and compare time in terms of seconds, minutes and hours.</p> <p>Use vocabulary such as o’clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p>	<h1 style="writing-mode: vertical-rl; transform: rotate(180deg);">Consolidation</h1>				

# Year 3—Spring Term—Small Steps

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<u>Number – Multiplication and Division</u> Comparing statements Related calculations Multiply 2-digits by 1-digit (no exchange) Multiply 2-digits by 1-digit (exchange) Divide 2-digits by 1-digit (no exchange)	<u>Measurement – length and perimeter</u> Measure length Equivalent lengths – m & cm Equivalent lengths – mm & cm Compare lengths Add lengths	<u>Number – Multiplication and Division</u>  Divide 2-digits by 1-digit (partitioning) Divide 2-digits by 1-digit (remainders) Scaling How many ways?	<u>Statistics</u> Tables	<u>Number – fractions</u> Unit and non-unit fractions Making the whole Tenths Count in tenths Tenths as decimals Fractions of a number line Fractions of a set of objects (unit fractions) Fractions of a set of objects (different numerators) Fractions of a set of objects (Children will now apply their knowledge and understanding of fractions to solve problems in various contexts. They build and recap their understanding of different measures.)	<u>Measurement – length and perimeter</u> Subtract lengths Measure perimeter Calculate perimeter	<u>Measurement – time</u> Months and years Hours in a day Telling the time to 5 minutes Telling the time to the minute AM and PM 24 hour clock	<h1>Consolidation</h1>				

# Year 3—Summer Term—NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p><u>Number – fractions</u></p> <p>Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Solve problems that involve all of the above.</p>	<p><u>Measurement – time</u></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.</p> <p>Record and compare time in terms of seconds, minutes and hours.</p> <p>Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p>	<p><u>Geometry – properties of shape</u></p> <p>Recognise angles as a property of shape or a description of a turn.</p> <p>Identify right angles, recognise 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.</p> <p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p> <p>Draw 2-D shapes and make 3-D shapes using modelling materials.</p> <p>Recognise 3-D shapes in different orientations and describe them.</p>	<p><u>Measurement – mass and capacity</u></p> <p>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</p>	<p><u>Problem Solving and Efficient Methods</u></p> <p>Activities that challenge children's reasoning, investigative and problem solving skills.</p> <p>To include problems involving number, money, shape, position and direction, measure, statistics and fractions.</p>	<p><u>Geometry – properties of shape</u></p> <p>Recognise angles as a property of shape or a description of a turn.</p> <p>Identify right angles, recognise 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.</p> <p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p> <p>Draw 2-D shapes and make 3-D shapes using modelling materials.</p> <p>Recognise 3-D shapes in different orientations and describe them.</p>	<p><u>Measurement – mass and capacity</u></p> <p>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).</p>	<p><u>Number – fractions</u></p> <p>Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Solve problems that involve all of the above.</p>	REVISION			

