

Term 1		
Unit	NC objectives	Content
Unit 1: Number and Place Value	<ul style="list-style-type: none"> Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. Recognize the place value of each digit in a two-digit number (tens, ones). Identify, represent and estimate numbers using different representations, including the number line. Read and write numbers to at least 100 in numerals and in words. 	Week 1: Skip counting in twos, threes, fives and tens <ul style="list-style-type: none"> Count in steps of 2, 3, and 5 from 0, and in tens from any number, forwards and backwards. Recognize the place value of each digit in a 2-digit number (tens, ones). Identify, represent and estimate numbers using different representations, including the number line. Read and write numbers to at least 100 in numerals and in words.
		Week 2: Representing numbers using practical materials <ul style="list-style-type: none"> Recognize the place value of each digit in a 2-digit number (tens, ones). Identify and represent numbers using different representations. Read and write numbers to at least 100 in numerals and in words.
Unit 2: Addition and Subtraction	<ul style="list-style-type: none"> Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and ones; a 2-digit number and tens; two 2-digit numbers; adding three 1-digit numbers. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. 	Week 3: Representing simple addition and subtraction number sentences <ul style="list-style-type: none"> Add three 1-digit numbers using concrete objects, pictorial representations, and mentally. Add a 2-digit number and ones using concrete objects, pictorial representations, and mentally.
		Week 4: Addition and subtraction within and to 20 <ul style="list-style-type: none"> Represent and use number bonds within 20. Recall and use addition and subtraction facts to 20 fluently. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Recognize and use the inverse relationship between addition and subtraction and use this to solve missing number problems.

	<ul style="list-style-type: none"> Recognize and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. 	
Unit 3: Multiplication and Division	<ul style="list-style-type: none"> Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognizing odd and even numbers. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. 	Week 5: Multiplication as repeated addition <ul style="list-style-type: none"> Recall and use multiplication facts for the 2 multiplication table, and begin practising counting in 3s. Recall and use multiplication facts for the 5 and 10 multiplication tables. Recognize odd and even number.
		Week 6: Missing number problems <ul style="list-style-type: none"> Recall and use multiplication and division facts for the 2 multiplication table, and begin practising counting in threes. Recall and use multiplication and division facts for the 5 and 10 multiplication tables. Solve problems involving multiplication and division, using materials and arrays, including problems in contexts.
Unit 4: Addition and Subtraction	<ul style="list-style-type: none"> Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Recognize and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. 	Week 7: Reasoning about addition and subtraction in the concrete and the pictorial <ul style="list-style-type: none"> Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.
		Week 8: Reasoning about addition and subtraction in the abstract <ul style="list-style-type: none"> Recognize and use the inverse relationship between addition and subtraction and use this to solve missing number problems.
Unit 5: Fractions	<ul style="list-style-type: none"> Recognize, find, name and write fractions $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity. 	Week 9: Recognizing and finding unit and non-unit fractions <ul style="list-style-type: none"> Recognize, find, name and write fractions $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.

	<ul style="list-style-type: none"> Write simple fractions, for example, $\frac{1}{2}$ of 6 = 3 and recognize the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$. 	Week 10: Representing fractions to solve problems <ul style="list-style-type: none"> Write simple fractions, for example $\frac{1}{2}$ of 6 = 3.
Unit 6: Measurement	<ul style="list-style-type: none"> Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. Compare and order lengths, mass, volume/capacity and record the results using >, < and =. 	Week 11: Measuring using non-standard and standard units <ul style="list-style-type: none"> Understand why we need standard units when measuring. Read scales to the nearest appropriate unit.
		Week 12: Comparing and ordering measurements <ul style="list-style-type: none"> Compare and order lengths, mass, volume/capacity and record the results using >, < and = .
	ASSESSMENT AND CONSOLIDATION	

Term 2		
Unit	NC objectives	Content
Unit 7: Number and place value	<ul style="list-style-type: none"> • Use place value and number facts to solve problems. 	Week 1: Model the problem <ul style="list-style-type: none"> • Use place value and number facts to solve problems.
Unit 8: Addition and subtraction	<ul style="list-style-type: none"> • Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. • Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and ones; a 2-digit number and tens; two 2-digit numbers; adding three 1-digit numbers. • Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. • Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. • Recognize and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. 	Week 2: Add pairs of multiples of 10 to 100 <ul style="list-style-type: none"> • Recall and use addition and subtraction facts to 20 fluently. • Derive and use related facts up to 100. • Add and subtract a 2-digit number and tens using concrete objects, pictorial representations, and mentally. • Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures. • Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. • Recognize and use the inverse relationship between addition and subtraction and use this to solve missing number problems.
		Week 3: Use inverse relationships to solve problems <ul style="list-style-type: none"> • Add and subtract a 2-digit number and 10s using concrete objects, pictorial representations, and mentally. • Add and subtract two 2-digit numbers using concrete objects, pictorial representations, and mentally.

Unit 9: Measurement	<ul style="list-style-type: none"> • Recognize and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. • Find different combinations of coins that equal the same amounts of money. • Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. 	Week 4: Finding amounts of money and giving change <ul style="list-style-type: none"> • Recognize and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. • Find different combinations of coins that equal the same amounts of money. • Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
Unit 10: Statistics	<ul style="list-style-type: none"> • Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. • Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. • Ask and answer questions about totalling and comparing categorical data. 	Week 5: Construct and interpret simple diagrams <ul style="list-style-type: none"> • Interpret and construct simple pictograms and block diagrams. • Ask and answer simple questions by counting the number of objects in each category. • Ask and answer questions about categorical data.
Unit 11: Multiplication and division	<ul style="list-style-type: none"> • Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs. • Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. • Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. 	Week 6: Multiplication and division fact families <ul style="list-style-type: none"> • Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs. • Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.
		Week 7: Solving problems using multiplication and division, sometimes with remainders <ul style="list-style-type: none"> • Solve problems involving multiplication and division, using materials and arrays, including problems in contexts. • Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs.

Unit 12: Fractions	<ul style="list-style-type: none"> Recognize, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity. Write simple fractions, for example, $\frac{1}{2}$ of $6 = 3$ and recognize the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$. 	<p>Week 8: Recognizing, finding and naming fractions of area, sets of objects and quantities, and introducing thirds</p> <ul style="list-style-type: none"> Recognize, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity. <p>Week 9: Finding fractions of quantities and learning about equivalence</p> <ul style="list-style-type: none"> Write simple fraction, for example $\frac{1}{2}$ of $6 = 3$, and recognize the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.
Unit 13: Geometry: properties of shapes	<ul style="list-style-type: none"> Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. Identify 2D shapes on the surface of 3D shapes, (for example, a circle on a cylinder and a triangle on a pyramid). Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line. Compare and sort common 2-D and 3-D shapes and everyday objects. 	<p>Week 10: Properties of 2D and 3D shapes</p> <ul style="list-style-type: none"> Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces. Compare and sort common shapes and everyday objects. Identify 2D shapes as the faces of 3D shapes. Identify and describe the properties of 2D shapes, including the number of edges and line symmetry in a vertical line.
	ASSESSMENT AND CONOSLIDATION	

Term 3		
Unit	NC objectives	Content
Unit 14: Number and place value	<ul style="list-style-type: none"> Identify, represent and estimate numbers using different representations, including the number line. Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs. 	Week 1: Order and compare 2-digit numbers <ul style="list-style-type: none"> Identify, represent and estimate numbers using different representations, including the number line. Compare numbers from 0 up to 100, using $<$, $>$ and $=$ signs. Compare and order numbers from 0 up to 100, using $<$, $>$ and $=$ signs.
Unit 15: Measurement	<ul style="list-style-type: none"> Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day. 	Week 2: Telling the time to 5 minutes <ul style="list-style-type: none"> Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day.
Unit 16: Addition and subtraction	<ul style="list-style-type: none"> Solve problems with addition and subtraction: <ul style="list-style-type: none"> using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> a 2-digit number and ones a 2-digit number and tens 	Week 3: Developing addition and subtraction strategies <ul style="list-style-type: none"> Recall and use addition and subtraction facts to 20 fluently. Derive and use related facts up to 100. Add and subtract 2-digit numbers using concrete objects, pictorial representations, and mentally. Solve problems with addition and subtraction by applying increasing knowledge of mental and written methods. Recognize and use the inverse relationship between addition and subtraction and use this to check calculations.

	<ul style="list-style-type: none"> ○ two 2-digit numbers ○ adding three 1-digit numbers. ● Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. ● Recognize the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. 	
Unit 17: Multiplication and division	<ul style="list-style-type: none"> ● Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. 	Week 4: Using grouping and sharing to solve problems <ul style="list-style-type: none"> ● Solve problems involving multiplication and division, using materials, arrays, mental methods, and multiplication and division facts, including problems in contexts.
Unit 18: Geometry: position and direction	<ul style="list-style-type: none"> ● Order and arrange combinations of mathematical objects in patterns and sequences. ● Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise). 	Week 5: Pattern, position and direction <ul style="list-style-type: none"> ● Order and arrange combinations of mathematical objects in patterns and sequences. ● Use mathematical vocabulary to describe position, direction and movement in a straight line. ● Use mathematical vocabulary to describe movement, distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).
Unit 19: Statistics	<ul style="list-style-type: none"> ● Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. ● Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. ● Ask and answer questions about totalling and comparing categorical data. 	Week 6: Representing and interpreting data <ul style="list-style-type: none"> ● Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. ● Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. ● Ask and answer questions about totalling and comparing categorical data.

Unit 20: Fractions	<ul style="list-style-type: none"> • Recognize, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity. • Write simple fractions, for example, $\frac{1}{2}$ of $6 = 3$ and recognize the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$. 	Week 7: Relationships between fractional parts and wholes <ul style="list-style-type: none"> • Recognize, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, set of objects or quantity. • Write simple fractions, for example $\frac{1}{2}$ of $6 = 3$, and recognize the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.
Unit 21: Addition and subtraction	<ul style="list-style-type: none"> • Solve problems with addition and subtraction: <ul style="list-style-type: none"> ○ using concrete objects and pictorial representations, including those involving numbers, quantities and measures ○ applying their increasing knowledge of mental and written methods. • Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. • Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> ○ a 2-digit number and ones ○ a 2-digit number and tens ○ two 2-digit numbers. • Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. • Recognize and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. 	Week 8: Problem solving using additive reasoning <ul style="list-style-type: none"> • Recall and use addition and subtraction facts to 20 fluently. • Derive and use related facts up to 100. • Add and subtract two 2-digit numbers using concrete objects, pictorial representations, and mentally. • Solve problems with addition and subtraction by applying knowledge of mental and written methods. • Recognize and use the inverse relationship between addition and subtraction and use this to check calculations.
		Week 9: Identifying equal and unequal number sentences

Unit 22: Multiplication and division	<ul style="list-style-type: none"> Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. 	<ul style="list-style-type: none"> Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.
		Week 10: Solving simple scaling problems <ul style="list-style-type: none"> Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.
	ASSESSMENT AND CONSOLIDATION	