



Medium-term planning Spring 1

W	Topic	Curriculum objective
1	Number and place value: estimating, counting and comparing quantities	<ul style="list-style-type: none"> To count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward. To recognise the place value of each digit in a 2-digit number (tens, ones). To identify, represent and estimate numbers using different representations, including the number line. To compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs. To read and write numbers to at least 100 in numerals and in words. To use place value and number facts to solve problems.
2	Addition and subtraction: using recall of addition and subtraction facts and mental calculation strategies	<ul style="list-style-type: none"> To 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. To recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. To add and subtract using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a 2-digit number and tens; two 2-digit numbers; adding three one-digit numbers. To show that addition can be done in any order (commutative) and subtraction cannot. To recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.
3	Addition and subtraction: using partitioning and counting on strategies	<ul style="list-style-type: none"> To 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. To add and subtract using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a 2-digit number and tens; two 2-digit numbers; adding three one-digit numbers. To show that addition can be done in any order (commutative) and subtraction cannot. To recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.
4	Multiplication and division: repeated addition and subtraction, arrays, grouping and using times tables facts	<ul style="list-style-type: none"> To recall and use multiplication and division facts for the 2,5 and 10 multiplication tables, including recognising odd and even numbers. To calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs. To recognise and use the inverse relationship between multiplication and division in calculations. To show that multiplication of two numbers can be done in any order (commutative) and division for one number by another cannot. To solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.
5	Geometry: properties of 3D and 2D shape	<ul style="list-style-type: none"> To identify and describe the properties of 2D shapes, including the number of sides and symmetry in a vertical line. To identify and describe the properties of 3D shapes including the number of edges, vertices and faces. To identify 2D shapes on the surface of 3D shapes, for example circle on a cylinder and a triangle on a pyramid.
6	Measures: length, mass, capacity and money	<ul style="list-style-type: none"> To choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm/mm); mass (kg/g); temperature ($^{\circ}\text{C}$); volume and capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels. To compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$.
Assess and review		<ul style="list-style-type: none"> To assess the half-term's work.