



Medium-term planning Autumn 2

YEAR 2

W	Topic	Curriculum objective
1	Number and place value: comparing, ordering two-digit numbers and knowing their place value	<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 two-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 add and subtract using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-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	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 one-step problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.
4	Fractions: finding fractions of quantities, shapes and sets of objects	<ul style="list-style-type: none"> To recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$. To write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of two quarters and one half.
5	Geometry: position, direction, motion Measures: time	<ul style="list-style-type: none"> To order and arrange combinations of mathematical objects in patterns. To use mathematical vocabulary to describe position, direction and movement, including distinguishing between rotation as a turn and in terms of right angles for quarter, half and three quarter turns (clockwise and anti-clockwise) and movement in a straight line. To compare and sequence intervals of time. To 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.
6	Data: solving problems that involve collecting data in tallies, tables and pictograms	<ul style="list-style-type: none"> To interpret and construct simple pictograms, tally charts, block diagrams and simple tables. To ask and answer simple questions by counting the number of object in each category and sorting the categories by quantity. To ask and answer questions about totalling and compare categorical data.
Assess and review		<ul style="list-style-type: none"> To assess the half-term's work.