

	Year 1	Year 2
Focus:		
Autumn 1	Number & place value, addition & subtraction, 2D & 3D shape	Number & place value, addition & subtraction, measurement, 2D & 3D shape
Concepts and skills taught:	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. Read and write numbers from 1 to 20 in numerals and words. Count, read and write numbers to 100 in numerals. Begin to recognise the place value of numbers beyond 20 (tens and ones). Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. Given a number, identify one more and one less. Count in multiples of, twos, fives and tens. Compare and describe lengths and heights Measure and begin to record lengths and heights, using non-standard and then manageable standard units. Compare and describe mass/weight (for example, heavy/light, heavier than, lighter than). Solve practical problems for lengths, heights and masses/weights. Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Represent and use number bonds and related subtraction facts within 20. Add and subtract one-digit and two-digit numbers to 20, including zero (using concrete objects and pictorial representations). Solve simple one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems, such as $7 = \square - 9$. Ask and answer simple questions by counting the number of objects in each category. Ask and answer questions by comparing categorical data. Recognise and name common 2D and 3D shapes. 	<ul style="list-style-type: none"> Read and write numbers to at least 100 in numerals and in words. Recognise 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. Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs. Round numbers to at least 100 to the nearest 10. Use place value and number facts to solve problems. Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. Find 1 or 10 more or less than a given number. Partition numbers in different ways (for example, $23 = 20 + 3$ and $23 = 10 + 13$). Identify, represent and estimate numbers using different representations, including the number line. Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit using rulers. Choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit using scales. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. 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 two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. 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.. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. Understand subtraction as take away and difference (how many more, how many less/fewer). Identify and describe the properties of 2-D shapes, including the number of sides and line

		<p>symmetry in a vertical line.</p> <ul style="list-style-type: none"> Identify 2-D shapes on the surface of 3-D shapes, (for example, a circle on a cylinder and a triangle on a pyramid). Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. Compare and sort common 2-D and 3-D shapes and everyday objects.
Autumn 2	Sequencing & sorting, fractions, money, time	Sorting, statistics, addition & subtraction, fractions, money, time
Concepts and skills taught:	<ul style="list-style-type: none"> Recognise and create repeating patterns with numbers, objects and shapes. Identify odd and even numbers linked to counting in twos from 0 and 1. Sort objects, numbers and shapes to a given criterion and their own. Understand that a fraction can describe part of a whole. Understand that a unit fraction represents one equal part of a whole. Recognise, find and name a half as one of two equal parts of an object, shape or quantity (including measure). Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. Compare and describe capacity/volume (for example, full/empty, more than, less than, half, half full, quarter). Measure and begin to record capacity and volume using non-standard and then standard units (litres and ml) within children's range of counting competence. Solve practical problems for capacity/volume. Recognise and know the value of different denominations of coins and notes. Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening. Recognise and use language relating to dates, including days of the week, weeks, months and years. Measure and begin to record time (hours, minutes, seconds). compare, describe and solve practical problems for time (quicker, slower, earlier, later). 	<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. Understand multiplication as repeated addition. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. Calculate mathematical statements for multiplication (using repeated addition) within the multiplication tables and write them using the multiplication (\times), and equals ($=$) signs. Compare and sort numbers according to their properties. 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. Understand subtraction as take away and difference (how many more, how many less/fewer). Understand and use the terms numerator and denominator. Understand that a fraction can describe part of a set. Understand that the larger the denominator is, the more pieces it is split into and therefore the smaller each part will be. Recognise, 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. Count on and back in steps of $\frac{1}{2}$ and $\frac{1}{4}$. Choose and use appropriate standard units to estimate and measure capacity and volume (litres/ml) to the nearest appropriate unit using measuring vessels. Compare and order volume/capacity and record the results using $>$, $<$ and $=$. Recognise 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. Add and subtract money of the same unit,

		<p>including giving change.</p> <ul style="list-style-type: none"> Solve simple problems in a practical context involving addition and subtraction of money. 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. Compare and sequence intervals of time.
Spring 1	Number & place value, mass, shape, money, multiplication & division	Number & place value, mass, shape, money, multiplication & division
Concepts and skills taught:	<ul style="list-style-type: none"> Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. Read and write numbers from 1 to 20 in numerals and words. Count, read and write numbers to 100 in numerals. Begin to recognise the place value of numbers beyond 20 (tens and ones). Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. Given a number, identify one more and one less. Given a number, identify ten more and ten less. Order numbers to 50. Compare and describe mass/weight (for example, heavy/light, heavier than, lighter than). Measure and begin to record mass/weight, using non-standard and then standard units (kg and g) Solve practical problems for masses/weights. Solve simple one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems, such as $7 = \square - 9$. Recognise and name common 2-D shapes, including rectangles (including squares), circles and triangles. Recognise and name common 3-D shapes, including cuboids (including cubes), pyramids and spheres. Count in multiples of, twos, fives and tens. Recognise and know the value of different denominations of coins and notes. Add one-digit and two-digit numbers to 20, including zero. Recall and use doubles of all numbers to 10 and corresponding halves. Solve one-step problems involving multiplication by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. 	<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. Read and write numbers to at least 100 in numerals. Recognise 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. Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs. Find 1 or 10 more or less than a given number. Round numbers to at least 100 to the nearest 10. Choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit using scales. Compare and order mass and record the results using $>$, $<$ and $=$. Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify 2-D shapes on the surface of 3-D shapes, (for example, a circle on a cylinder and a triangle on a pyramid). Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. Compare and sort common 2-D and 3-D shapes and everyday objects. Recognise 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. Add and subtract money of the same unit, including giving change. Solve simple problems in a practical context involving addition and subtraction of money. Understand multiplication as repeated addition. Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. Understand the connection between the 10 multiplication table and place value. Calculate mathematical statements for multiplication (using repeated addition) within the multiplication tables and write them using

	<ul style="list-style-type: none"> Subtract one-digit and two-digit numbers to 20, including zero. Recall and use doubles of all numbers to 10 and corresponding halves. Solve one-step problems involving division by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. 	<p>the multiplication (x) and equals (=) signs.</p> <ul style="list-style-type: none"> Solve problems involving multiplication, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. Understand division as sharing and grouping. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Calculate mathematical statements for division within the multiplication tables and write them using the division (÷) and equals (=) signs. Solve problems involving division, using materials, arrays, repeated subtraction and sharing, mental methods, and multiplication and division facts, including problems in contexts.
Spring 2	Time, addition & subtraction, fractions, position, measurement	Number & place value, time, addition & subtraction, fractions, position, measurement
Concepts and skills taught:	<ul style="list-style-type: none"> Compare and describe lengths and heights (for example, long/short, longer/shorter, tall/short, double/half). Measure and begin to record lengths and heights, using non-standard and then manageable standard units (m and cm) Compare and describe mass/weight (for example, heavy/light, heavier than, lighter than). Measure and begin to record mass/weight, using non-standard and then standard units (kg and g) Solve practical problems for lengths, heights and masses/weights. Represent and use number bonds and related subtraction facts within 20. Add and subtract one-digit and two-digit numbers to 20, including zero (using concrete objects and pictorial representations). Solve practical problems for length and height and mass/weight. Understand that a fraction can describe part of a whole. Understand that a unit fraction represents one equal part of a whole. Recognise, find and name a half as one of two equal parts of an object, shape or quantity (including measure). Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. Describe position, directions and movements, including half, quarter and three-quarter turns. Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. Compare, describe and solve practical 	<ul style="list-style-type: none"> Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit using rulers. Compare and order lengths and record the results using >, < and =. Choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit using scales. Compare and order mass and record the results using >, < and =. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. 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 two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. 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. Understand and use the terms numerator and denominator. Understand that a fraction can describe part of a set. Understand that the larger the denominator is, the more pieces it is split into and therefore the smaller each part will be. Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of

	<p>problems for time (quicker, slower, earlier, later).</p> <ul style="list-style-type: none"> Measure and begin to record the following time (hours, minutes, seconds). 	<p>objects or quantity.</p> <ul style="list-style-type: none"> Count on and back in steps of $\frac{1}{2}$ and $\frac{1}{4}$. Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$. 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). 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. Compare and sequence intervals of time.
Summer 1	Number & place value, addition & subtraction, fractions, shape, capacity, time	Number & place value, statistics, addition & subtraction, fractions, shape, capacity, time
Concepts and skills taught:	<ul style="list-style-type: none"> Read and write numbers from 1 to 20 in numerals and words. Count, read and write numbers to 100 in numerals. Begin to recognise the place value of numbers beyond 20 (tens and ones). Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. Given a number, identify one more and one less. Given a number, identify ten more and ten less. Order numbers to 50. Solve problems and practical problems involving all of the above. Represent and use number bonds and related subtraction facts within 20. Add and subtract one-digit and two-digit numbers to 20, including zero (using concrete objects and pictorial representations). Solve simple one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems, such as $7 = \square - 9$. Present and interpret data in block diagrams using practical equipment. Ask and answer simple questions by counting the number of objects in each category. Ask and answer questions by comparing categorical data. Compare, describe and solve practical problems capacity/volume (full/empty, more than, less than, quarter). 	<ul style="list-style-type: none"> Recognise 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. Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs. Round numbers to at least 100 to the nearest 10. Use place value and number facts to solve problems. Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. Find 1 or 10 more or less than a given number. Partition numbers in different ways (for example, $23 = 20 + 3$ and $23 = 10 + 13$). Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. 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 two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. 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. Choose and use appropriate standard units to estimate and measure capacity and volume

	<ul style="list-style-type: none"> • Measure and begin to record capacity and volume using non-standard and then standard units (litres and ml) • Understand that a fraction can describe part of a whole. • Understand that a unit fraction represents one equal part of a whole. • Recognise, find and name a half as one of two equal parts of an object, shape or quantity (including measure). • Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. • Describe position, directions and movements, including half, quarter and three-quarter turns. • Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. • Recognise and name common 2-D shapes, including rectangles (including squares), circles and triangles. • Recognise and name common 3-D shapes, including cuboids (including cubes), pyramids and spheres. 	<p>(litres/ml) to the nearest appropriate unit using measuring vessels.</p> <ul style="list-style-type: none"> • Compare and order volume/capacity and record the results using $>$, $<$ and $=$. • Choose and use appropriate standard units to estimate and measure temperature to the nearest degree ($^{\circ}\text{C}$) using thermometers. • Understand and use the terms numerator and denominator. • Understand that a fraction can describe part of a set. • Understand that the larger the denominator is, the more pieces it is split into and therefore the smaller each part will be. • Recognise, find, name and write fractions $1/3$, $1/4$, $2/4$ and $3/4$ of a length, shape, set of objects or quantity. • Count on and back in steps of $1/2$ and $1/4$. • Write simple fractions for example, $1/2$ of $6 = 3$ and recognise the equivalence of $2/4$ and $1/2$. • 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). • 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. • Compare and sequence intervals of time. • Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. • Identify 2-D shapes on the surface of 3-D shapes, (for example, a circle on a cylinder and a triangle on a pyramid). • Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. • Compare and sort common 2-D and 3-D shapes and everyday objects.
<p>Summer 2</p>	<p>Multiplication & division, money, difference, measurement, sorting, time</p>	<p>Time, multiplication & division, difference, measurement, sorting, place value</p>
<p>Concepts and skills taught:</p>	<ul style="list-style-type: none"> • Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening. • Recognise and use language relating to dates, including days of the week, weeks, months and years. • Measure and begin to record time (hours, minutes, seconds). • Compare, describe and solve practical problems for time (quicker, slower, earlier, later). • Solve one-step problems involving 	<ul style="list-style-type: none"> • 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. • Compare and sequence intervals of time. • Understand multiplication as repeated addition. • Understand division as sharing and grouping. • Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

	<p>multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p> <ul style="list-style-type: none"> • Subtract one-digit and two-digit numbers to 20 using 'difference' as finding how many more to make (using concrete objects and pictorial representations). • Solve problems involving how many more to make. • Present and interpret data in block diagrams using practical equipment. • Ask and answer simple questions by counting the number of objects in each category. • Ask and answer questions by comparing categorical data. • Compare and describe lengths and heights (for example, long/short, longer/shorter, tall/short, double/half). • Measure and begin to record lengths and heights, using non-standard and then manageable standard units (m and cm) • Compare and describe mass/weight (for example, heavy/light, heavier than, lighter than). • Measure and begin to record mass/weight, using non-standard and then standard units (kg and g) • Solve practical problems for lengths, heights and masses/weights. • Recognise and create repeating patterns with numbers, objects and shapes. • Identify odd and even numbers linked to counting in twos from 0 and 1. • Sort objects, numbers and shapes to a given criterion and their own. 	<ul style="list-style-type: none"> • Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. • Understand the connection between the 10 multiplication table and place value. • Calculate mathematical statements for multiplication (using repeated addition) and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs. • Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. • Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. • Ask and answer questions about totalling and comparing categorical data. • Understand subtraction as take away and difference (how many more, how many less/fewer). • 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 two-digit number and ones; a two-digit number and tens; two two-digit numbers. • Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. • Choose and use appropriate standard units to estimate and measure capacity and volume (litres/ml) to the nearest appropriate unit using measuring vessels. • Compare and order volume/capacity and record the results using $>$, $<$ and $=$. • Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit using rulers. • Compare and order lengths and record the results using $>$, $<$ and $=$. • Choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit using scales. • Compare and order mass and record the results using $>$, $<$ and $=$. • Compare and sort common 2-D and 3-D shapes and everyday objects. • Compare and sort numbers according to their properties.
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