

Mathematics

Year One Autumn 1		
<p>Number & place value</p> <ul style="list-style-type: none"> • count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • count, read and write numbers to 100 in numerals • given a number, identify one more and one less • 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 • read and write numbers from 1 to 20 in numerals • practicing ordering [first, second, third] * 	<p>Addition & subtraction</p> <ul style="list-style-type: none"> • read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ 	<p>Geometry - Properties of shapes</p> <ul style="list-style-type: none"> • recognise and name common 2-D shapes, including: <ul style="list-style-type: none"> – 2-D shapes [for example, rectangles (including squares), circles and triangles] <p>Measurement (length and height)</p> <ul style="list-style-type: none"> • compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/ shorter, tall/short, double/half] • measure and begin to record lengths and heights
Year One Autumn 2		
<p>Number – Number and place value</p> <ul style="list-style-type: none"> • count in multiples of twos, fives and tens <p>Number – Addition and subtraction</p> <ul style="list-style-type: none"> • read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ 	<p>Number – Multiplication and division</p> <ul style="list-style-type: none"> • solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher • understand multiplication and division through grouping and sharing small quantities * <p>Number – Fractions</p> <ul style="list-style-type: none"> • recognise, find and name a half as one of two equal parts of an object, shape or quantity • recognise and combine halves as parts of a whole * 	<p>Geometry – Position and direction</p> <ul style="list-style-type: none"> • describe position, directions and movements, including half, quarter and three-quarter turns <p>Measurement (money)</p> <ul style="list-style-type: none"> • recognise and know the value of different denominations of coins and notes
Year One Spring 1		
<p>Number – Number and place value</p> <ul style="list-style-type: none"> • count to and across 100, forwards and backwards, 	<p>Number – Addition and subtraction</p> <ul style="list-style-type: none"> • read, write and interpret 	<p>Geometry – Properties of shapes</p>

<p>beginning with 0 or 1, or from any given number</p> <ul style="list-style-type: none"> • count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens • given a number, identify one more and one less • 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 • read and write numbers from 1 to 20 in numerals and words • recognise and create repeating patterns with objects and with shapes * <p>Number – Multiplication and division</p> <ul style="list-style-type: none"> • solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher • understand multiplication and division through grouping and sharing small quantities * • make connections between arrays, number patterns and counting in twos, fives and tens * 	<p>mathematical statements involving addition (+), subtraction (–) and equals (=) signs</p> <ul style="list-style-type: none"> • represent and use number bonds and related subtraction facts within 20 • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ <p>Number – Number and place value</p> <ul style="list-style-type: none"> • count in multiples of twos, fives and tens <p>Measurement (mass)</p> <ul style="list-style-type: none"> • compare, describe and solve practical problems for mass or weight [for example, heavy/light, heavier than, lighter than)] • measure and begin to record mass/weight 	
<p>Year One Spring 2</p>		
<p>Number – Addition and subtraction</p> <ul style="list-style-type: none"> • 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 • realise the effect of adding and subtracting zero in order to establish addition and subtraction as related operations * • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and 		<p>Measurement (time)</p> <ul style="list-style-type: none"> • sequence events in chronological order using language [for example, 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 • tell the time to the hour and half past the hour and draw the hands on a clock face to show these times

missing number problems such as $7 = \square - 9$		
Year One Summer 1		
<p>Number – Number and place value</p> <ul style="list-style-type: none"> • count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • count, read and write numbers to 100 in numerals • given a number, identify one more and one less • 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 • read and write numbers from 1 to 20 in numerals and words • recognise place value in numbers beyond 20 * <p>Number – Multiplication and division</p> <ul style="list-style-type: none"> • solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher • understand multiplication and division through grouping and sharing small quantities * • make connections between arrays, number patterns and counting in twos, fives and tens * 	<p>Number – Addition and subtraction</p> <ul style="list-style-type: none"> • 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 • realise the effect of adding and subtracting zero in order to establish addition and subtraction as related operations * • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ <p>Number – Number and place value</p> <ul style="list-style-type: none"> • count in multiples of twos, fives and tens 	<p>Geometry – Position and direction</p> <ul style="list-style-type: none"> • describe position, directions and movements, including half, quarter and three-quarter turns <p>Measurement (length and height)</p> <ul style="list-style-type: none"> • compare, describe and solve practical problems for: <ul style="list-style-type: none"> – lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] – mass/weight [for example, heavy/light, heavier than, lighter than] • measure and begin to record lengths and heights
Year One Summer 2		
<p>Number – Addition and subtraction</p> <ul style="list-style-type: none"> • 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 • solve one-step problems that 	<p>Number – Fractions</p> <ul style="list-style-type: none"> • recognise, find and name a half as one of two equal parts of an object, shape or quantity • recognise, find and name a quarter as one of four equal parts of an object, shape or quantity • connect halves and quarters to the equal sharing and grouping of sets of objects and to measures * • recognise and combine halves and quarters as parts of a whole * 	<p>Geometry – Properties of shapes</p> <ul style="list-style-type: none"> • recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> – 2-D shapes [for example, rectangles (including squares), circles and triangles] – 3-D shapes [for example, cuboids (including cubes), pyramids and spheres] <p>Measurement (time)</p> <ul style="list-style-type: none"> • compare, describe and solve practical problems for time [for example, quicker, slower, earlier,

<p>involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$</p> <p>Number – Multiplication and division</p> <ul style="list-style-type: none"> • solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher • double numbers and quantities * • find simple fractions of objects, numbers and quantities * 		<p>later]</p> <ul style="list-style-type: none"> • measure and begin to record time (hours, minutes, seconds) • tell the time to the hour and half past the hour and draw the hands on a clock face to show these times
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