

Maths Planning Overview – Year 3

Term 1	Term 2	Term 3
<p>Number and place value</p> <ul style="list-style-type: none"> ● <u>count from 0 in multiples of 100; find 10 or 100 more or less than a given number</u> ● <u>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</u> ● <u>compare and order numbers up to 1000</u> ● <u>identify, represent and estimate numbers using different representations</u> ● <u>read and write numbers up to 1000 in numerals and in words</u> ● <u>solve number problems and practical problems involving these ideas</u> <p>Addition and subtraction</p> <ul style="list-style-type: none"> ● <u>add and subtract numbers mentally, including:</u> <ul style="list-style-type: none"> – <u>a three-digit number and ones</u> – <u>a three-digit number and tens</u> – <u>a three-digit number and hundreds</u> ● <u>add and subtract numbers with up to three digits</u> ● <u>estimate the answer to a calculation and use inverse operations to check answers</u> ● <u>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</u> <p>Measurement</p> <ul style="list-style-type: none"> ● <u>measure, compare, add and subtract: lengths (m / cm / mm); mass (kg / g); volume / capacity (l / ml)</u> ● <u>add and subtract amounts of money to give change, using both £ and p in practical contexts</u> <p>Statistics</p> <ul style="list-style-type: none"> ● <u>interpret and present data using bar charts, pictograms and tables</u> ● <u>solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</u> <p>Number and place value</p> <ul style="list-style-type: none"> ● <u>count from 0 in multiples of 4, 8, 50 and 100</u> <p>Multiplication and division</p> <ul style="list-style-type: none"> ● <u>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</u> 	<p>Addition and subtraction</p> <ul style="list-style-type: none"> ● <u>add and subtract numbers mentally, including:</u> <ul style="list-style-type: none"> – <u>a three-digit number and ones</u> – <u>a three-digit number and tens</u> – <u>a three-digit number and hundreds</u> ● <u>add and subtract numbers with up to three digits</u> ● <u>estimate the answer to a calculation and use inverse operations to check answers</u> ● <u>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</u> <p>Measurement</p> <ul style="list-style-type: none"> ● <u>measure, compare, add and subtract: lengths (m / cm / mm); mass (kg / g); volume / capacity (l / ml)</u> ● <u>add and subtract amounts of money to give change, using both £ and p in practical contexts</u> <p>Statistics</p> <ul style="list-style-type: none"> ● <u>interpret and present data using bar charts, pictograms and tables</u> ● <u>solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</u> <p>Number and place value</p> <ul style="list-style-type: none"> ● <u>identify, represent and estimate numbers using different representations</u> <p>Fractions</p> <ul style="list-style-type: none"> ● <u>count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</u> ● <u>recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</u> ● <u>add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]</u> ● <u>compare and order unit fractions and fractions with the same denominator</u> ● <u>solve problems that involve all of the above.</u> <p>Number and place value</p> <ul style="list-style-type: none"> ● <u>count from 0 in multiples of 4, 8, 50 and 100</u> 	<p>Addition and subtraction</p> <ul style="list-style-type: none"> ● <u>add and subtract numbers mentally, including:</u> <ul style="list-style-type: none"> – <u>a three-digit number and ones</u> – <u>a three-digit number and tens</u> – <u>a three-digit number and hundreds</u> ● <u>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</u> ● <u>estimate the answer to a calculation and use inverse operations to check answers</u> ● <u>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</u> <p>Measurement</p> <ul style="list-style-type: none"> ● <u>measure, compare, add and subtract: lengths (m / cm / mm); mass (kg / g); volume / capacity (l / ml)</u> ● <u>add and subtract amounts of money to give change, using both £ and p in practical contexts</u> ● <u>record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m. / p.m., morning, afternoon, noon and midnight</u> ● <u>know the number of seconds in a minute and the number of days in each month, year and leap year</u> ● <u>compare durations of events, [for example, to calculate the time taken by particular events or tasks]</u> <p>Statistics</p> <ul style="list-style-type: none"> ● <u>interpret and present data using bar charts, pictograms and tables</u> ● <u>solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</u> <p>Number and place value</p> <ul style="list-style-type: none"> ● <u>identify, represent and estimate numbers using different representations</u> <p>Fractions</p> <ul style="list-style-type: none"> ● <u>count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and dividing one-digit numbers or quantities by 10</u> ● <u>recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</u> ● <u>recognise and show, using diagrams, equivalent fractions with small denominators</u>

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<ul style="list-style-type: none"> ● <u>write and calculate mathematical statements for multiplication and division using the multiplication tables that they know</u> ● <u>solve problems, including missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</u> <p>Geometry: properties of shapes</p> <ul style="list-style-type: none"> ● <u>draw 2-D shapes, and make 3-D shapes using modeling materials; 3-D shapes in different orientations and describe them</u> <p>Geometry: position and direction</p> <ul style="list-style-type: none"> ● <u>recognise that angles are a property of shape or a description of a turn</u> ● <u>identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle</u> <p>Number and place value</p> <ul style="list-style-type: none"> ● <u>count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</u> ● <u>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</u> ● <u>compare and order numbers up to 1000</u> ● <u>identify, represent and estimate numbers using different representations</u> ● <u>read and write numbers up to 1000 in numerals and in words</u> ● <u>solve number problems and practical problems involving these ideas</u> <p>Measurement</p> <ul style="list-style-type: none"> ● <u>tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks</u> ● <u>measure, compare, add and subtract: lengths (m / cm / mm); mass (kg / g); volume / capacity (l / ml)</u> <p>Fractions</p> <ul style="list-style-type: none"> ● <u>count up and down in tenths, recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.</u> 	<p>Multiplication and division</p> <ul style="list-style-type: none"> ● <u>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</u> ● <u>write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers</u> ● <u>solve problems, including missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which n objects are connected to m objects</u> <p>Fractions</p> <ul style="list-style-type: none"> ● <u>count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</u> ● <u>recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators</u> ● <u>solve problems that involve all of the above.</u> <p>Geometry: properties of shapes</p> <ul style="list-style-type: none"> ● <u>draw 2-D shapes, and make 3-D shapes using modeling materials; recognise 3-D shapes in different orientations and describe them</u> ● <u>recognise that angles are a property of shape or a description of a turn</u> ● <u>identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle</u> ● <u>identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</u> <p>Number and place value</p> <ul style="list-style-type: none"> ● <u>count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</u> ● <u>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</u> ● <u>compare and order numbers up to 1000</u> ● <u>identify, represent and estimate numbers using different representations</u> ● <u>read and write numbers up to 1000 in numerals and in words</u> ● <u>solve number problems and practical problems involving these ideas</u> <p>Measurement</p>	<ul style="list-style-type: none"> ● <u>add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]</u> ● <u>compare and order unit fractions and fractions with the same denominator.</u> ● <u>solve problems that involve all of the above.</u> <p>Number and place value</p> <ul style="list-style-type: none"> ● <u>count from 0 in multiples of 4, 8, 50 and 100</u> <p>Multiplication and division</p> <ul style="list-style-type: none"> ● <u>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</u> ● <u>write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods</u> ● <u>solve problems, including missing number problems, involving multiplication and division; solve positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</u> <p>Fractions</p> <ul style="list-style-type: none"> ● <u>count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</u> ● <u>recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators</u> ● <u>solve problems that involve all of the above.</u> <p>Measurement</p> <ul style="list-style-type: none"> ● <u>know the number of seconds in a minute and the number of days in each month, year and leap year.</u> <p>Geometry: properties of shape</p> <ul style="list-style-type: none"> ● <u>recognise that angles are a property of shape or a description of a turn</u> ● <u>identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle</u> ● <u>identify horizontal and vertical lines and pairs of perpendicular and parallel lines</u> ● <u>measure the perimeter of simple 2-D shapes.</u>
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	<ul style="list-style-type: none">● <i>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</i>● <u>estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m. / p.m., morning, afternoon, noon and midnight</u>● <u>know the number of seconds in a minute and the number of days in each month, year and leap year</u>● <u>compare durations of events, [for example, to calculate the time taken by particular events or tasks]</u> <p>Statistics</p> <ul style="list-style-type: none">● <i>interpret and present data using bar charts, pictograms and tables.</i>	
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