



# LEIGH ST PETER'S CE PRIMARY SCHOOL

Together with God we challenge minds, recognise talents, and build dreams

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## Mathematics Long Term Overview: Year 3 2021-22

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value		Number: Addition	Number: Subtraction	Number: Multiplication	Number: Division	Measurement: Length		Number: Addition	Number: Subtraction	Number: Multiplication	Number: Division
Spring	Number: Fractions			Geometry: Shape		Measure: Time	Number: Place Value		Number: Addition and Subtraction		Number: Multiplication and Division	
Summer	Number: Fractions		Measure: Mass and Capacity		Geometry: Shape		Statistics			Measure: Money	Move to next class	



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## Medium Term Plan – Unit Overview – Year 3

Term	Autumn
Unit	Place Value
NC Objectives	<ul style="list-style-type: none"> <li>count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</li> <li>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</li> <li>compare and order numbers up to 1000</li> <li>identify, represent and estimate numbers using different representations</li> <li>read and write numbers up to 1000 in numerals and in words ♣ solve number problems and practical problems involving these ideas.</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Hundreds</li> <li>Representing numbers to 1,000</li> <li>100s, 10s and 1s</li> <li>Number lines to 1,000</li> <li>Find 1, 10, 100 more or less than a given number</li> <li>Compare objects to 1,000</li> <li>Compare numbers to 1,000</li> <li>Order numbers</li> <li>Count in 50s.</li> </ul>
Key Vocabulary- Introduced at Year 3	<p><b>Number:</b> Eights, fifties – hundreds, factor of. Relationship, roman numerals</p> <p><b>Place Value:</b> One hundred more, one hundred less</p> <p><b>Estimating:</b> Approximate, approximately, round, nearest, round to the nearest ten, hundred, round up, round down.</p>
Reasoning and Problem Solving Vocabulary	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ...</p> <p>explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement</p>



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## Medium Term Plan – Unit Overview – Year 3

Term	Autumn
Unit	Addition and Subtraction
NC Objectives	<ul style="list-style-type: none"> <li>add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds</li> <li>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</li> <li>estimate the answer to a calculation and use inverse operations to check answers</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Add and Subtract multiples of 100</li> <li>Add and subtract 3 digit and 1 digit numbers -not crossing 10.</li> <li>Add 3 digit and 1 digit numbers -crossing 10.</li> <li>Subtract 3 digit and 1 digit numbers -crossing 10</li> <li>Add and subtract 3 digit and 2 digit numbers -not crossing 100.</li> <li>Add 3 digit and 2 digit numbers -crossing 100.</li> <li>Subtract 2 digit from a 3 digit numbers -crossing 100.</li> <li>Add and Subtract 100s</li> <li>Spot the pattern</li> <li>Add and subtract a 2 digit and a three digit numbers – not crossing 10 or 100.</li> <li>Add a 2 digit and 3 digit numbers – crossing 10 or 100</li> <li>Subtract a 2 digit number from a 3 digit number crossing 10 or 100.</li> <li>Add two 3 digit numbers – not crossing 10 or 100</li> <li>Add two 3 digit numbers – crossing 10 or 100</li> <li>Subtract a 3 digit number from a 3 digit numbers – no exchange.</li> </ul>
Key Vocabulary- Introduced at Year 3	<b>Addition and Subtraction:</b> hundreds boundary
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement



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## Medium Term Plan – Unit Overview – Year 3

Term	Autumn
Unit	Multiplication and Division
NC Objectives	<ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</li> <li>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</li> <li>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.</li> <li></li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Multiplication – equal groups</li> <li>Multiply by 3</li> <li>Divide by 3</li> <li>The 3 times tables</li> <li>Multiply by 4</li> <li>Divide by 4</li> <li>The 4 times tables</li> <li>Multiply by 8</li> <li>Divide by 8</li> <li>The 8 times tables</li> </ul>
Key Vocabulary- Introduced at Year 3	<b>Multiplication and Division:</b> factor, product, remainder
Reasoning and Problem Solving Vocabulary	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ...</p> <p>explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement</p>



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## Medium Term Plan – Unit Overview – Year 3

Term	Autumn
Unit	Length and Perimeter
NC Objectives	<ul style="list-style-type: none"> <li>• <b>measure, compare, add and subtract: lengths (m/cm/mm);</b> mass (kg/g); volume/capacity (l/ml)</li> <li>• measure the perimeter of simple 2-D shapes</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>• Measure length</li> <li>• Equivalent lengths – m and cm</li> <li>• Equivalent lengths – mm and cm</li> <li>• Compare lengths</li> <li>• Add lengths</li> <li>• Subtract lengths</li> <li>• Measure perimeter</li> <li>• Calculate perimeter</li> </ul>
Key Vocabulary- Introduced at Year 3	<p><b>Measure:</b> division, approximately</p> <p><b>Length:</b> millimetre, kilometre, mile, distance apart.....between.....to.....from, perimeter</p>
Reasoning and Problem Solving Vocabulary	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ...</p> <p>explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement</p>



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## Medium Term Plan – Unit Overview – Year 3

Term	Autumn
Unit	Addition and Subtraction
NC Objectives	<ul style="list-style-type: none"> <li>add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds</li> <li>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</li> <li>estimate the answer to a calculation and use inverse operations to check answers</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Add and Subtract multiples of 100</li> <li>Add and subtract 3 digit and 1 digit numbers -not crossing 10.</li> <li>Add 3 digit and 1 digit numbers -crossing 10.</li> <li>Subtract 3 digit and 1 digit numbers -crossing 10</li> <li>Add and subtract 3 digit and 2 digit numbers -not crossing 100.</li> <li>Add 3 digit and 2 digit numbers -crossing 100.</li> <li>Subtract 2 digit from a 3 digit numbers -crossing 100.</li> <li>Add and Subtract 100s</li> <li>Spot the pattern</li> <li>Add and subtract a 2 digit and a three digit numbers – not crossing 10 or 100.</li> <li>Add a 2 digit and 3 digit numbers – crossing 10 or 100</li> <li>Subtract a 2 digit number from a 3 digit number crossing 10 or 100.</li> <li>Add two 3 digit numbers – not crossing 10 or 100</li> <li>Add two 3 digit numbers – crossing 10 or 100</li> <li>Subtract a 3 digit number from a 3 digit numbers – no exchange.</li> </ul>
Key Vocabulary- Introduced at Year 3	<b>Addition and Subtraction:</b> hundreds boundary
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement



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## Medium Term Plan – Unit Overview – Year 3

Term	Autumn
Unit	Multiplication and Division
NC Objectives	<ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</li> <li>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</li> <li>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.</li> <li></li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Comparing statements</li> <li>Related calculations</li> <li>Multiplying 2 digits by 1 digit</li> <li>Divide 2 digit by 1 digit</li> <li>Scaling</li> <li>How many ways?</li> </ul>
Key Vocabulary- Introduced at Year 3	<b>Multiplication and Division:</b> factor, product, remainder
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement



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## Medium Term Plan – Unit Overview – Year 3

Term	Autumn
Unit	Addition and Subtraction
NC Objectives	<ul style="list-style-type: none"> <li>add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds</li> <li>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</li> <li>estimate the answer to a calculation and use inverse operations to check answers</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Add and Subtract multiples of 100</li> <li>Add and subtract 3 digit and 1 digit numbers -not crossing 10.</li> <li>Add 3 digit and 1 digit numbers -crossing 10.</li> <li>Subtract 3 digit and 1 digit numbers -crossing 10</li> <li>Add and subtract 3 digit and 2 digit numbers -not crossing 100.</li> <li>Add 3 digit and 2 digit numbers -crossing 100.</li> <li>Subtract 2 digit from a 3 digit numbers -crossing 100.</li> <li>Add and Subtract 100s</li> <li>Spot the pattern</li> <li>Add and subtract a 2 digit and a three digit numbers – not crossing 10 or 100.</li> <li>Add a 2 digit and 3 digit numbers – crossing 10 or 100</li> <li>Subtract a 2 digit number from a 3 digit number crossing 10 or 100.</li> <li>Add two 3 digit numbers – not crossing 10 or 100</li> <li>Add two 3 digit numbers – crossing 10 or 100</li> <li>Subtract a 3 digit number from a 3 digit numbers – no exchange.</li> </ul>
Key Vocabulary- Introduced at Year 3	<b>Addition and Subtraction:</b> hundreds boundary
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement





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## Medium Term Plan – Unit Overview – Year 3

Term	Spring
Unit	Fractions
NC Objectives	<ul style="list-style-type: none"> <li>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</li> <li>recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators ♣ recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</li> <li>recognise and show, using diagrams, equivalent fractions with small denominators</li> <li>add and subtract fractions with the same denominator within one whole [for example, <math>5/7 + 1/7 = 6/7</math>]</li> <li>compare and order unit fractions, and fractions with the same denominators</li> <li>solve problems that involve all of the above.</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>Unit and non-unit fractions</li> <li>Making the whole</li> <li>Tenths</li> <li>Count in tenths</li> <li>Tenths as decimals</li> <li>Fractions on a number line</li> <li>Fractions of a set of objects.</li> <li></li> </ul>
Key Vocabulary- Introduced at Year 3	<b>Fractions:</b> sixth, sevenths, eights, tenths....
Reasoning and Problem Solving Vocabulary	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ...</p> <p>explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement</p>



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## Medium Term Plan – Unit Overview – Year 3

Term	Spring
Unit	Geometry: Shape
NC Objectives	<ul style="list-style-type: none"><li>• draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</li><li>• recognise angles as a property of shape or a description of a turn</li><li>• 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</li><li>• identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li></ul>
Small Steps	<ul style="list-style-type: none"><li>• Turns and angles</li><li>• Right angles</li><li>• Comparing angles</li><li>• Draw accurately</li><li>• Horizontal and vertical</li><li>• Parallel and perpendicular</li><li>• Recognise and describe 2D shapes</li><li>• Recognise and describe 3D shapes</li><li>• Make 3D shapes</li></ul>
Key Vocabulary- Introduced at Year 3	<p><b>Properties of Shape:</b> Perimeter</p> <p><b>2D Shapes:</b> pentagonal, hexagonal, octagonal, quadrilateral, right angled, parallel, perpendicular</p> <p><b>3D Shapes:</b> hemisphere, triangular prism</p>
Reasoning and Problem Solving Vocabulary	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ...</p> <p>explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement</p>



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## Medium Term Plan – Unit Overview – Year 3

Term	Spring
Unit	Measurement: Time
NC Objectives	<ul style="list-style-type: none"> <li>• tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</li> <li>• 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</li> <li>• know the number of seconds in a minute and the number of days in each month, year and leap year</li> <li>• compare durations of events [for example to calculate the time taken by particular events or tasks].</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>• Months and Years</li> <li>• Hours in a day</li> <li>• Telling the time to 5 minutes</li> <li>• Telling the time to a minute</li> <li>• Using am and pm</li> <li>• 24 hour clock</li> <li>• Finding the duration</li> <li>• Comparing durations</li> <li>• Start and end times</li> <li>• Measuring time in seconds.</li> </ul>
Key Vocabulary- Introduced at Year 3	<b>Time:</b> century, calendar, earliest, latest, am, pm, roman numerals, 12 hour clock time, 24 hour clock time.
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement



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## Medium Term Plan – Unit Overview – Year 3

Term	Spring
Unit	Place Value
NC Objectives	<ul style="list-style-type: none"> <li>• count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</li> <li>• recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</li> <li>• compare and order numbers up to 1000</li> <li>• identify, represent and estimate numbers using different representations</li> <li>• read and write numbers up to 1000 in numerals and in words ♣ solve number problems and practical problems involving these ideas.</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>• Hundreds</li> <li>• Representing numbers to 1,000</li> <li>• 100s, 10s and 1s</li> <li>• Number lines to 1,000</li> <li>• Find 1, 10, 100 more or less than a given number</li> <li>• Compare objects to 1,000</li> <li>• Compare numbers to 1,000</li> <li>• Order numbers</li> <li>• Count in 50s.</li> </ul>
Key Vocabulary- Introduced at Year 3	<p><b>Number:</b> Eights, fifties – hundreds, factor of. Relationship, roman numerals</p> <p><b>Place Value:</b> One hundred more, one hundred less</p> <p><b>Estimating:</b> Approximate, approximately, round, nearest, round to the nearest ten, hundred, round up, round down.</p>
Reasoning and Problem Solving Vocabulary	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ...</p> <p>explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement</p>



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## Medium Term Plan – Unit Overview – Year 3

Term	Spring
Unit	Addition and Subtraction
NC Objectives	<ul style="list-style-type: none"> <li>• add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds</li> <li>• add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</li> <li>• estimate the answer to a calculation and use inverse operations to check answers</li> <li>• solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>
Small Steps	<ul style="list-style-type: none"> <li>• Add and Subtract multiples of 100</li> <li>• Add and subtract 3 digit and 1 digit numbers -not crossing 10.</li> <li>• Add 3 digit and 1 digit numbers -crossing 10.</li> <li>• Subtract 3 digit and 1 digit numbers -crossing 10</li> <li>• Add and subtract 3 digit and 2 digit numbers -not crossing 100.</li> <li>• Add 3 digit and 2 digit numbers -crossing 100.</li> <li>• Subtract 2 digit from a 3 digit numbers -crossing 100.</li> <li>• Add and Subtract 100s</li> <li>• Spot the pattern</li> <li>• Add and subtract a 2 digit and a three digit numbers – not crossing 10 or 100.</li> <li>• Add a 2 digit and 3 digit numbers – crossing 10 or 100</li> <li>• Subtract a 2 digit number from a 3 digit number crossing 10 or 100.</li> <li>• Add two 3 digit numbers – not crossing 10 or 100</li> <li>• Add two 3 digit numbers – crossing 10 or 100</li> <li>• Subtract a 3 digit number from a 3 digit numbers – no exchange.</li> </ul>
Key Vocabulary- Introduced at Year 3	<b>Addition and Subtraction:</b> hundreds boundary
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement



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## Medium Term Plan – Unit Overview – Year 3

Term	Spring
Unit	Multiplication and Division
NC Objectives	<ul style="list-style-type: none"><li>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</li><li>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</li><li>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.</li><li></li></ul>
Small Steps	<ul style="list-style-type: none"><li>Comparing statements</li><li>Related calculations</li><li>Multiplying 2 digits by 1 digit</li><li>Divide 2 digit by 1 digit</li><li>Scaling</li><li>How many ways?</li></ul>
Key Vocabulary- Introduced at Year 3	<b>Multiplication and Division:</b> factor, product, remainder
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement



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## Medium Term Plan – Unit Overview – Year 3

Term	Summer
Unit	Fractions
NC Objectives	<ul style="list-style-type: none"><li>• recognise and show, using diagrams, equivalent fractions with small denominators</li><li>• add and subtract fractions with the same denominator within one whole [for example, <math>5/7 + 1/7 = 6/7</math>]</li><li>• compare and order unit fractions, and fractions with the same denominators</li><li>• solve problems that involve all of the above.</li></ul>
Small Steps	<ul style="list-style-type: none"><li>• Equivalent fractions</li><li>• Compare fractions</li><li>• Order fractions</li><li>• Add fractions</li><li>• Subtract fractions</li></ul>
Key Vocabulary- Introduced at Year 3	<b>Fractions:</b> sixth, sevenths, eights, tenths....
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement



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## Medium Term Plan – Unit Overview – Year 3

Term	Summer
Unit	Mass and Capacity
NC Objectives	<ul style="list-style-type: none"><li>• <b>measure, compare, add and subtract:</b> lengths (m/cm/mm); <b>mass (kg/g); volume/capacity (l/ml)</b></li><li>• measure the perimeter of simple 2-D shapes</li></ul>
Small Steps	<ul style="list-style-type: none"><li>• Measure mass</li><li>• Compare mas</li><li>• Add and subtract mass</li><li>• Measure capacity</li><li>• Compare capacity</li><li>• Add and Subtract capacity</li></ul>
Key Vocabulary- Introduced at Year 3	<p><b>Measure:</b> division, approximately</p> <p><b>Mass:</b></p> <p><b>Capacity and Volume:</b> centigrade</p>
Reasoning and Problem Solving Vocabulary	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ...</p> <p>explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement</p>





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## Medium Term Plan – Unit Overview – Year 3

Term	Summer
Unit	Geometry: Shape
NC Objectives	<ul style="list-style-type: none"><li>• draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</li><li>• recognise angles as a property of shape or a description of a turn</li><li>• 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</li><li>• identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li></ul>
Small Steps	<ul style="list-style-type: none"><li>• Turns and angles</li><li>• Right angles</li><li>• Comparing angles</li><li>• Draw accurately</li><li>• Horizontal and vertical</li><li>• Parallel and perpendicular</li><li>• Recognise and describe 2D shapes</li><li>• Recognise and describe 3D shapes</li><li>• Make 3D shapes</li></ul>
Key Vocabulary- Introduced at Year 3	<p><b>Properties of Shape:</b> Perimeter</p> <p><b>2D Shapes:</b> pentagonal, hexagonal, octagonal, quadrilateral, right angled, parallel, perpendicular</p> <p><b>3D Shapes:</b> hemisphere, triangular prism</p>
Reasoning and Problem Solving Vocabulary	<p>Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ...</p> <p>explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement</p>



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LOVE

RESPECT

TRUST

FRIENDSHIP

RESPONSIBILITY

PERSEVERANCE

RESILIENCE

## Medium Term Plan – Unit Overview – Year 3

Term	Summer
Unit	Statistics
NC Objectives	<ul style="list-style-type: none"><li>• interpret and present data using bar charts, pictograms and tables</li><li>• 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.</li></ul>
Small Steps	<ul style="list-style-type: none"><li>• Pictograms</li><li>• Bar Charts</li><li>• Tables</li></ul>
Key Vocabulary- Introduced at Year 3	<b>Statistics:</b> chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes, diagram
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement



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## Medium Term Plan – Unit Overview – Year 3

Term	Summer
Unit	Measurement: Money
NC Objectives	<ul style="list-style-type: none"><li>add and subtract amounts of money to give change, using both £ and p in practical contexts</li></ul>
Small Steps	<ul style="list-style-type: none"><li>Pounds and pence</li><li>Convert pounds and pence</li><li>Add money</li><li>Subtract money</li><li>Give change</li></ul>
Key Vocabulary- Introduced at Year 3	<b>Money:</b> No new vocabulary introduced
Reasoning and Problem Solving Vocabulary	Pattern, puzzle, problem, problem solving, mental, mentally, what could we try next?, did you work it out?, show how you ... explain your thinking, explain your method, describe the pattern, describe the rule, investigate, recognise, describe, draw, compare, sort, greatest value, least value, mental calculation, written calculation, statement