

# Year 3: Maths Curriculum Overview

Please note that not all schemes of work are currently available. PlanBee is working hard to complete the remaining schemes as quickly as possible.



	Autumn Term	Spring Term	Summer Term
Week 1	Understanding Place Value	Using Place Value	Rounding and Estimation
Week 2	Investigating Number Facts	Doubling and Halving	Knowing Number Facts
Week 3	Mental Addition	Partition Addition	Let's Add and Subtract
Week 4	Mental Subtraction	Solving Subtraction	Using Times Tables
Week 5	2D Shape	Space and 3D Shape	Shapes and Angles
Week 6	What is length?	What is weight?	Multiplication Problems
Week 7	Time	Organising Data	Clock Watching
Week 8	Multiplication Facts	Linking Multiplication and Division	What is Capacity?
Week 9	Multiplying and Dividing	Using Division and Multiplication	Collecting and Sorting Data
Week 10	Finding Fractions	What's the time?	Fractions in Action

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	Autumn Term	Spring Term	Summer Term
<b>Week 1</b>	<p><b>Understanding Place Value</b></p> <ul style="list-style-type: none"> <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>read and write numbers up to 1000 in numerals and in words</li> <li>solve number problems and practical problems involving these ideas</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</li> <li>count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</li> </ul>	<p><b>Using Place Value</b></p> <ul style="list-style-type: none"> <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>read and write numbers up to 1000 in numerals and in words</li> <li>solve number problems and practical problems involving these ideas</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</li> </ul>	<p><b>Rounding and Estimation</b></p> <ul style="list-style-type: none"> <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> </ul>
<b>Week 2</b>	<p><b>Investigating Number Facts</b></p> <ul style="list-style-type: none"> <li>add and subtract numbers mentally, including:               <ul style="list-style-type: none"> <li>a three-digit number and ones</li> <li>a three-digit number and tens</li> <li>a three-digit number and hundreds</li> </ul> </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>	<p><b>Doubling and Halving</b></p> <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>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</li> </ul>	<p><b>Knowing Number Facts</b></p> <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>add and subtract numbers mentally, including:               <ul style="list-style-type: none"> <li>a three-digit number and ones</li> <li>a three-digit number and tens</li> <li>a three-digit number and hundreds</li> </ul> </li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</li> </ul>
<b>Week 3</b>	<p><b>Mental Addition</b></p> <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>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> <li>add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>	<p><b>Partition Addition</b></p> <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>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>	<p><b>Let's Add and Subtract</b></p> <ul style="list-style-type: none"> <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>
<b>Week 4</b>	<p><b>Mental Subtraction</b></p> <ul style="list-style-type: none"> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</li> <li>add and subtract amounts of money to give change, using both £ and p in practical contexts</li> </ul>	<p><b>Solving Subtraction</b></p> <ul style="list-style-type: none"> <li>add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</li> <li>estimate the answer to a calculation and use inverse operations to check answers</li> </ul>	<p><b>Using Times Tables</b></p> <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> </ul>

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<p><b>Week 5</b></p>	<p><b>2D Shape</b></p> <ul style="list-style-type: none"> <li>measure the perimeter of simple 2-D shapes</li> <li>draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</li> </ul>	<p><b>Space and 3D Shape</b></p> <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> </ul>	<p><b>Shapes and Angles</b></p> <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>
<p><b>Week 6</b></p>	<p><b>What is length?</b></p> <ul style="list-style-type: none"> <li>measure, compare, add and subtract: lengths (m/cm/mm)</li> </ul>	<p><b>What is weight?</b></p> <ul style="list-style-type: none"> <li>measure, compare, add and subtract: mass (kg/g)</li> </ul>	<p><b>Multiplication Problems</b></p> <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> </ul>
<p><b>Week 7</b></p>	<p><b>Time</b></p> <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</li> </ul>	<p><b>Organising Data</b></p> <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 using information presented in scaled bar charts and pictograms and tables</li> </ul>	<p><b>Clock Watching</b></p> <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</li> </ul>
<p><b>Week 8</b></p>	<p><b>Multiplication Facts</b></p> <ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</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> </ul>	<p><b>Linking Multiplication and Division</b></p> <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> </ul>	<p><b>What is Capacity?</b></p> <ul style="list-style-type: none"> <li>measure, compare, add and subtract: volume/capacity (l/ml)</li> </ul>

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<p><b>Week 9</b></p>	<p><b>Multiplying and Dividing</b></p> <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> </ul>	<p><b>Using Division and Multiplication</b></p> <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> </ul>	<p><b>Collecting and Sorting Data</b></p> <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 using information presented in scaled bar charts and pictograms and tables</li> </ul>
<p><b>Week 10</b></p>	<p><b>Finding Fractions</b></p> <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</li> <li>recognise and show, using diagrams, equivalent fractions with small denominators</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>	<p><b>What's the time?</b></p> <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>compare durations of events</li> </ul>	<p><b>Fractions in Action</b></p> <ul style="list-style-type: none"> <li>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</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>