



Broadwood Primary School Maths Yearly Overview: Year 3



Autumn 1						
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Place Value			Addition and Subtraction			
<p>Identify, represent and estimate numbers using different representations</p> <p>Recognise the place value of each digit in a 3-digit number (hundreds, tens, ones)</p> <p>Count from zero in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number</p> <p>Read and write numbers up to 1,000 in numerals and words</p> <p>compare and order numbers up to 1000</p> <p>solve number problems and practical problems involving these ideas.</p> <p style="text-align: center; margin-top: 20px;">*Pre-assessment for addition and subtraction*</p>			<p>Add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> a three-digit number and ones a three-digit number and tens a three-digit number and hundreds <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</p> <p>Estimate the answer to a calculation and use inverse operations to check answers</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p>			



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Autumn 2						
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Addition and Subtraction		Multiplication and Division <i>Assessment</i>				Keep Up
<p>Add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> • a three-digit number and ones • a three-digit number and tens • a three-digit number and hundreds <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</p> <p>Estimate the answer to a calculation and use inverse operations to check answers</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p> <p>*Pre-assessment for Multiplication and Division*</p>		<p>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers (Y2)</p> <p>Show that multiplication of two numbers can be done in any order (commutative) and division on one number by another cannot (Y2)</p> <p>Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward (Yr2)</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</p> <p>Make links between the tables</p> <p>Use known facts from 2s,5s, 10, 4s and 8s to derive related facts</p> <p>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</p> <p>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.</p>				<p>Consolidate Autumn term learning.</p> <p>Interventions for any children with gaps</p>



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Spring 1					
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Multiplication and Division			Measures: Length and Perimeter		
<p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</p> <p>Make links between the tables</p> <p>Use known facts from 2s,5s, 10, 4s and 8s to derive related facts</p> <p>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</p> <p>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.</p>			<p>Measure length in m, cm and mm</p> <p>Compare lengths</p> <p>Add and subtract lengths</p> <p>Measure the perimeter of simple 2-D shapes</p> <p>Use appropriate tools to measure length</p> <p>Use mixed units e.g. 7cm 2mm</p> <p>Use simple equivalents e.g. 2m = 200cm</p>		
Pre-assessment for Measures: Length and Perimeter			*Pre-assessment for Fractions*		



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Spring 2				
Week 1	Week 2	Week 3	Week 4	Week 5
Fractions			Measures: Mass and capacity <i>Assessment</i>	
<p>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</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators</p> <p>Add and subtract fractions with the same denominator within one whole [for example, $\frac{7}{5} + \frac{7}{1} = \frac{7}{6}$]</p> <p>Compare and order unit fractions, and fractions with the same denominators</p> <p>Solve problems that involve all of the above.</p>			<p>Revisit Ready to Progress 3NPV-4: Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts</p> <p>Measure and compare mass using kg/g</p> <p>Measure and compare volume/capacity using l/ml</p> <p>Add and subtract mass in kg/g</p> <p>Add and subtract volume/capacity in l/ml</p> <p>Use appropriate tools</p> <p>Use mixed units e.g. 2l 300ml</p> <p>Use simple equivalents e.g. 2kg = 2000g</p> <p>Compare measures using simple scaling e.g. twice as much, five times heavier, half the volume</p> <p>Link to Ready to Progress 3F-1 and 3F-2: Describing fractions of measures and finding fractions of quantities</p>	
Pre-assessment for Measures; Mass and Capacity			*Pre-assessment for Fractions*	



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Summer 1					
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Fractions			Time		
<p>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</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators</p> <p>Add and subtract fractions with the same denominator within one whole [for example, $\frac{7}{5} + \frac{7}{1} = \frac{7}{6}$]</p> <p>Compare and order unit fractions, and fractions with the same denominators</p> <p>Solve problems that involve all of the above.</p>			<p>Recap telling the time to the hour/half past/ quarter past to/ 5 minutes. (Y2)</p> <p>Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</p> <p>Estimate and read time with increasing accuracy to the nearest minute</p> <p>Record and compare time in terms of seconds, minutes and hours</p> <p>Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p>		
<p>*Pre-assessment for Time*</p>			<p>*Pre-assessment for Money*</p>		



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Summer 2						
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Money		Statistics <i>Assessment</i>		Shape		Ready to Progress
<p>Recap recognising all coins and notes (Y2)</p> <p>To know the place value of money – 10 x1p =10p 10x10p=£1</p> <p>Add and subtract amounts of money to give change, using both £ and p in practical contexts.</p> <p>*Pre-assessment for statistics*</p>		<p>Interpret and present data using bar charts, pictograms and tables</p> <p>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.</p> <p>*Pre-assessment for shape*</p>		<p>Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</p> <p>Recognise angles as a property of shape or a description of a turn</p> <p>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</p> <p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p>		<p>Consolidate year 3 learning.</p>