



# Wheatlands Primary School

## Maths - Skills Progression (EYFS/KS1/KS2)

### Addition and Subtraction



	EYFS Nursery Reception ELG	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Recall, Represent, Use:</b>	<p>Develop fast recognition of up to 3 objects, without having to count them individually.</p> <p>Show 'finger numbers' up to 5.</p> <p>Subitise.</p> <p>Explore composition of numbers to 10.</p> <p>Automatically recall number bonds for numbers 0-10.</p> <p>Automatically recall number bonds up to 5 and some number bonds to 10, including double facts.</p> <p>Have a deep understanding of numbers to 10, including the composition of each number.</p> <p>Subitise up to 5.</p>	<p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p> <p>Represent and use number bonds and related subtraction facts within 20.</p> <p style="text-align: center;">Autumn 2 Spring 1</p>	<p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</p> <p>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p> <p style="text-align: center;">Autumn 2</p>	<p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p style="text-align: center;">Autumn 2</p>	<p>Estimate and use inverse operations to check answers to a calculation.</p> <p style="text-align: center;">Autumn 2</p>	<p>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</p> <p style="text-align: center;">Autumn 2</p>	



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<b>Calculations:</b>	<p>Develop fast recognition of up to 3 objects, without having to count them individually.</p> <p>Show 'finger numbers' up to 5.</p> <p>Know that the last number reached when counting a small set of objects tells you how many there are in total.</p> <p>Subitise.</p> <p>Explore composition of numbers to 10.</p> <p>Automatically recall number bonds for numbers 0-10.</p> <p>Automatically recall number bonds up to 5 and some number bonds to 10, including double facts.</p> <p>Have a deep understanding of numbers to 10, including the composition of each number.</p> <p>Subitise up to 5.</p>	<p>Add and subtract one digit and two-digit numbers to 20, including zero.</p> <p style="text-align: center;"><b>Autumn 2</b> <b>Spring 1</b></p>	<p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>➤ A two-digit number and ones</li> <li>➤ A two-digit number and tens</li> <li>➤ Two two-digit numbers</li> <li>➤ Adding three one-digit numbers.</li> </ul> <p style="text-align: center;"><b>Autumn 2</b></p>	<p>Add and subtract numbers mentally, including:</p> <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> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</p> <p style="text-align: center;"><b>Autumn 2</b></p>	<p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</p> <p style="text-align: center;"><b>Autumn 2</b></p>	<p>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).</p> <p>Add and subtract numbers mentally with increasingly large numbers.</p> <p style="text-align: center;"><b>Autumn 2</b></p>	<p>Perform mental calculations, including mixed number operations and large numbers.</p> <p>Use their knowledge of the order of operations to carry out calculations involving the four operations.</p> <p style="text-align: center;"><b>Autumn 2</b></p>



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<b>Solve Problems:</b>	<p>Solve real world mathematical problems with numbers up to 5.</p> <p>Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...'</p> <p>Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed evenly.</p>	<p>Discuss and solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems (<math>7 = ? - 9</math>).</p> <p style="text-align: center;"><b>Autumn 2</b> <b>Spring 1</b></p>	<p>Solve problems with addition and subtraction:</p> <ul style="list-style-type: none"> <li>➤ Using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>➤ Applying their increasing knowledge of mental and written methods.</li> </ul> <p style="text-align: center;"><b>Autumn 2</b></p>	<p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p> <p style="text-align: center;"><b>Autumn 2</b></p>	<p>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p> <p style="text-align: center;"><b>Autumn 2</b></p>	<p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p> <p>Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.</p> <p style="text-align: center;"><b>Autumn 2</b></p>	<p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p> <p style="text-align: center;"><b>Autumn 2</b></p>
<b>Vocabulary:</b>	<p>1, 2, 3, 4, 5, 6, 7, 8, 9, 10 One, two, three, four, five Odd/Even Sort, group, object Same, different Size, shape, colour, pattern Bigger, smaller How many More than/Less than One less/One more</p>	<p><b>In addition to previous years:</b> Sum Digits Plus Count Count on/back How many left? In total Compare Fact Family</p>	<p><b>In addition to previous years:</b> Method Column Exchange Place Value 1-digit number 2-digit number Calculation Subtract/Minus</p>	<p><b>In addition to previous years:</b> Estimate Inverse Difference, Calculations, Place value Related facts 3-digit number Increase</p>	<p><b>In addition to previous years:</b> Round</p>	<p><b>In addition to previous years:</b> Round</p>	<p><b>In addition to previous years:</b></p>

	Order Fewer, take away Add, altogether Half, double, share Five frame/s Parts, whole Part-whole model How many Total Ten frame/s Number Bonds Forwards Backwards Direction	Ones, Tens Number Sentence Partition	Bar Model Efficient	Decrease			
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