



Danson Primary School Maths Skills Progression: Algebra



EYFS/ KS1 Algebra			
	EYFS	Year 1	Year 2
Equations	<p>I can solve problems including grouping, sharing, doubling and halving</p> <p>I can records using marks that they can interpret and explain</p> <p>I can begin to identify own mathematical problems based on own interests and fascinations (Exploration of patterns within number)</p>	<p><i>I can solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$</i></p> <p>(copied from Addition and Subtraction)</p> <p><i>I can represent and use number bonds and related subtraction facts within 20</i> (copied from Addition and Subtraction)</p>	<p><i>I can recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.</i></p> <p>(copied from Addition and Subtraction)</p> <p><i>I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</i></p> <p>(copied from Addition and Subtraction)</p>
Sequences	<p>I can say which number is one more or one less than a given number.</p> <p>I can place numbers 1-6 in order</p> <p>I can recognise, create and describe patterns (Early pattern sharing and number)</p> <p>I can use ordinal numbers: 1st, 2nd...last (Numbers within 10)</p> <p>I can order and sequence familiar events. (Calendar and and time)</p> <p>I can recognise, create and describe patterns with shapes</p> <p style="text-align: center;">(shape and pattern)</p> <p>I can order and sequence familiar events</p>	<p><i>I can sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening</i></p> <p>(copied from Measurement)</p>	<p><i>I can compare and sequence intervals of time</i></p> <p>(copied from Measurement)</p> <p><i>I can order and arrange combinations of mathematical objects in patterns</i></p> <p>(copied from Geometry: position and direction)</p>



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KS2 Algebra				
	Year 3	Year 4	Year 5	Year 6
Equations	<p>I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)</p> <p>I can solve problems, including missing number problems, involving multiplication and division, including integer scaling (copied from Multiplication and Division)</p>		<p>I can use the properties of rectangles to deduce related facts and find missing lengths and angles (copied from Geometry: Properties of Shapes)</p>	<p>I can express missing number problems algebraically</p> <p>I can find pairs of numbers that satisfy number sentences involving two unknowns</p> <p>I can enumerate all possibilities of combinations of two variables</p>
Formulae	<p>I can 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>I can understand that the perimeter can be expressed algebraically as $2(a + b)$ where a and b are the dimensions in the same unit. (Copied from NSG measurement)</p>		<p>I can use simple formulae</p> <p>I can recognise when it is possible to use formulae for area and volume of shapes (copied from Measurement)</p>
Sequences	<p>I can use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight to sequence events. (copied from Measurement/time)</p>			<p>I can generate and describe linear number sequences</p>