Winton Primary School Maths Curriculum

TO ADD AND SUBTRACT				
	Milestone 1	Milestone 2	Milestone 3	
Addition & Subtraction problem solving	<ul> <li>Solve one-step problems with addition and subtraction using concrete objects and pictorial representations, and missing number problems such as 7 = 9 (Y1)</li> <li>Read and write mathematical symbols add (+), subtract (-) and equals (=) (Y1)</li> <li>Solve one-step problems with addition and subtraction (Y2)         <ul> <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> </li> <li>Recognise the subtraction structure of 'difference' and answer questions of the form, "How many more?" (Y2)</li> </ul>	Solve two-step addition and subtraction problems in contexts, deciding which operations and methods to use and why.	Solve multi-step addition and subtraction problems in contexts, deciding which operations and methods to use and why.	

In bold - National curriculum objectives for the year group.

In blue - Ready-to-progress criteria identified as the most important conceptual knowledge and understanding that pupils need as they progress to the next year's curriculum.

Winton Primary School Maths Curriculum

	William y School		tiis carricalarii
Addition & Subtraction methods	<ul> <li>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:         <ul> <li>Add and subtract one digit and two-digit numbers to 20, including zero (Y1)</li> <li>Add and subtract a two-digit number and ones e.g. 34-8= 52+5= (Y2)</li> <li>Add and subtract two-digit numbers and tens 26+30= (Y2)</li> <li>Add and subtract two two-digit numbers</li></ul></li></ul>	<ul> <li>Secure fluency in addition and subtraction facts that bridge 10, through continued practice. (Y3)</li> <li>Add numbers mentally, including a 3-digit number and ones. (Y3)</li> <li>Add numbers mentally, including a 3-digit number and tens. (Y3)</li> <li>Add numbers mentally, including a 3-digit number and hundreds. (Y3)</li> <li>Subtract numbers mentally, including a 3-digit number and ones. (Y3)</li> <li>Subtract numbers mentally, including a 3-digit number and tens. (Y3)</li> <li>Subtract numbers mentally, including a 3-digit number and hundreds. (Y3)</li> <li>Add numbers with up to 3-digits using columnar method. (Y3)</li> <li>Subtract numbers with up to 3-digits using columnar method. (Y3)</li> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. (Y4)</li> </ul>	<ul> <li>Add and subtract whole numbers with more than 4 digits, including using formal written methods. (columnar addition and subtraction)</li> <li>Add and subtract numbers mentally with increasingly large numbers.</li> </ul>
Checking	Use the inverse relationship between addition and subtraction to check calculations and solve missing number problems.	<ul> <li>Estimate and use inverse operations to check answers to a calculation.</li> <li>Understand the inverse relationship between addition and subtraction, and how both relate to the part-part-whole structure. (Y3)</li> <li>Understand and use the commutative property of addition, and understand the related property for subtraction. (Y3)</li> </ul>	Use rounding to check answers to calculations

## In bold - National curriculum objectives for the year group.

In blue - Ready-to-progress criteria identified as the most important conceptual knowledge and understanding that pupils need as they progress to the next year's curriculum.

**Maths Curriculum Winton Primary School** Develop and secure fluency in addition and Calculate complements to 100. Add and subtract subtraction facts within 10, through Solve problems, including missing number problems, using number negative integers Using addition & subtraction facts facts, place value and more complex addition and subtraction. continued practice. • Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers. (Y1) • Use number bonds and subtraction facts within 20 E.g. 14+6=20 20-6=14 (Y1) Recall and use addition and subtraction facts to 20 fluently. (Y2) • Derive and use related facts up to 100 2+3=5 so 20+30=50 Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another

In bold - National curriculum objectives for the year group.

cannot. (Y2)

In blue - Ready-to-progress criteria identified as the most important conceptual knowledge and understanding that pupils need as they progress to the next year's curriculum.