Addition and Subtraction Progression

Year group	Objectives
EYFS	**Early Learning Goals** ● Have a deep understanding of number to 10, including the composition of each number. ● Automatically recall (without reference to rhymes, counting or other aides) number bond sup to 5 (including subtraction facts) and some number bonds to 10, including double facts ● Explore and represent patterns with number up to 10, including evens and odds, double facts and how quantities can be distributed equally. **3 and 4-year-olds will be learning to:** ● Solve real world mathematical problems with numbers up to 5. **Children in reception will be learning to:** ● Understand the 'one more than/one less than' relationship between consecutive numbers.
Year 1	● represent and use number bonds and related subtraction facts within 20 ● add and subtract one-digit and two-digit numbers to 20, including zero ● read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs ● read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs ● solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as ● 7 = ___ - 9
Year 2	● recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 ● add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers ● show that addition of two numbers can be done in any order

	(commutative) and subtraction of one number from another cannot ● recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems ● solve problems with addition and subtraction: * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods
Year 3	● add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds ● add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction ● estimate the answer to a calculation and use inverse operations to check answers ● solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction ●
Year 4	● add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate ● solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
Year 5	● add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) ● add and subtract numbers mentally with increasingly large numbers ● solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why ● solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
Year 6	● perform mental calculations, including with mixed operations and large numbers ● use their knowledge of the order of operations to carry out calculations involving the four operations ● solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why