

The Oaks CE Learning Federation Calculation Policy Addition Progression - using a CPA Approach



Development Matters	National Curriculum	
EYFS	Year 1	Year 2
 Finds the total number of items in two groups by counting them all Finds one more or less from a group of 5 objects, then ten objects. In practical activities and discussion, beginning to use the vocabulary involved in adding and subtracting ELG Says which number is one more or one less than a given number Using quantities and objects, they add and subtract two single digit numbers and count on or back to find the answer. 	 Pupils should be taught to: Given a number, identify one more and one less Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs Represent and use number bonds and related subtraction facts within 20 Add and subtract one-digit and two-digit numbers to 20, including zero Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = -9. 	 Pupils should be taught to: 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 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.

Key Language: sum, total, parts and wholes, plus, add, altogether, more, is equal to, is the same as.

Key Apparatus: Numicon, cubes, objects, counters, coins, bead strings, tens frames, number tracks, number lines, part-part whole diagrams, bar model diagrams







