St Felix RC Primary School

Maths Curriculum

Progression document: Addition and subtraction

Nursery	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
To compare small groups of objects by saying whether there is more or less

To add or subtract one more in practical activites

To begin to see that a group of items can be made up of smaller groups, e.g. 6 raisins on a plate can be split into 3 and 3, or 4 and 2 etc. | To use manipulatives to explore composition of 3, 4 and 5.

Explore composition of numbers to 10 as "5 and a bit" using die patterns.

Identify equal and unequal groups

Use staircase pattern to explore one more, one less than the number before. | Introduce terms part whole model

Understand relationship between addition and subtraction to find fact families for number up to 10.

Introduce concept or addition and subtraction and introduce the symbols + -

Adding and subtracting single digit numbers within 20 by counting | Recognise relationship between addition and subtraction facts up to 20 (including crossing 10)

Add single digit to 2 digit number by making ten in order to cross tens boundary. e.g. 16 + 7 = 16 + 4 + 3.

Subtract single digit number by crossing tens 24 – 7 = 24 – 4 – 3 =

Add 3 single digit numbers | To secure complements to 100.

To add and subtract 100's

Add and subtract 1's 10's and 100's from a 3 digit number

Add 3 digit + 3 digit number crossing 10 to 100

Subtract 3 digit from 3 digit with one exchange.

Use bar model to solve missing number | To extend column addition and subtraction to 4 digit numbers, with exchange.

To be able to exchange through zero.

To decide on whether to use a mental or formal written method for addition or subtraction.

To introduce concept of constant difference to avoid need for | To add and subtract numbers with more than 4 digits using formal written methods.

To add and subtract numbers mentally with increasingly large numbers.

To use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy | To add and subtract numbers upto 10 million using formal written methods.

To use inverse relationships and place value to complete related calculations.

To understand the compensation properties of addition; if one addend is increased and the other is decreased by the same the |

	Explore compostion of 7 Begin to answer missing number problems within 5 using part whole model.	on and counting back Adding single digit numbers by crossing the ten Subtract single digit from ten number by crossing the ten	Introduce the concept of "difference" Find 1 more or less To find 10 more or less To add and subtract 10's To add two 2-digit numbers by partitioning. To subtract a two 2-digit number from a 2 digit number by partitioning.	problems involving 3 digit numbers.	exchange and regrouping		sum stays the same. To understand the relationship between additive and multiplicative relationships. To solve problems with 2 unknowns.