Heather Primary Calculation Policy

This calculation policy has been created to meet the expectations of the new national curriculum and is linked with the White Rose Scheme of Work and Calculation Policy. Most importantly, it is designed to meet the needs of our children at Heather Primary School.

With our focus on 'Mastery in Maths' for all, we believe that the development in skill from concrete to pictorial and then abstract gives our children a deep understanding of the four operations.

<u>Addition</u>

Progression in Addition Overview

EYFS	У1	У2	У3	У4	У5	У6
Know the	Add 1 digit	Add three 1	Add numbers	Add numbers	Add numbers	
composition of 2,	numbers within	digit numbers	with up to 3	with up to 4	with more than 4	
3, 4 and 5	ten	together	digits	digits	digits	
Know the	Add 1 and 2 digit	Add 1 and 2 digit			Add numbers	
composition of 6,	numbers within	numbers within			with up to 3	
7, 8, 9 and 10	20	100			decimal places	
Know that		Add two 2 digit				
numbers up to		numbers within				
20 are composed		100				
of ten and a part						
of the next ten.						

Vocabulary: part, whole, add, plus, sum, more than, increase, combine, total, digit, number, integer, exchange, altogether, equal to, same as, addend, commutative

Objective	Concrete	Pictorial	Abstract
Know the composition of single digit numbers using a part part whole model (aggregation).	-		4 + 3 = 7
Add single digit numbers up to ten (augmentation).	Add together single digit numbers using cubes either in groups or as a . bar.	7 4 3	
		Build understanding of part part whole model to move into abstract: part + part = whole	



	Following on from making ten, children make ten (if possible) with any of the numbers (change the order if needed – commutative law). Then, add on third number.		Children draw tens frames in books showing where numbers have been recombined to make ten where possible - different colours for different numbers.	
Adding TO and O (using base 10 + regrouping to make ten)	Start in the ones, look for ways to make ten using	courage ildren to explain hy it's important start in the hes – in case we sed to exchange	$ \begin{array}{c} 38 \\ 5 \\ 38 \\ 5 \\ 38 \\ 5 \\ 111 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6$	38 + 5 43 1



