

BERKSWELL CE PRIMARY SCHOOL Calculation Policy 2022 – EYFS and Key Stage 1

Our Calculation Policy shows the progression of maths teaching from year to year, for the four operations: addition, subtraction, multiplication and division. It enables both teachers and parents a clear understanding of how the operations are taught sequentially through the year groups. Included in this policy are illustrations of how the teaching of calculations are modelled by teachers and how concepts are taught through a process of concrete demonstration and pictorial representations, before moving on to the abstract calculation.

This policy has been adapted from the White Rose Maths Hub Calculation Policy with further material added. It is a working document and will be revised and amended as necessary.

Progression within each area of calculation is in line with the programme of study in the 2014 National Curriculum and the EYFS 2021 Framework.





MULTIPLICATION – EYFS				
Skills and Objectives	Strategies and Methods			
Grouping	Concrete	Pictorial	Abstract	
Making equal groups from a whole. Represent a whole and work out how many equal groups. Sort objects and people into equal groups. Find doubles.		$\frac{\text{What is double 4?}}{4+4=8}$	1+1= 2+2= 3+3= 4+4= 5+5=	
		3 + 3 + 6		



ADDITION – Year 1			
Skills and Objectives	Strategies and Methods Images from NCETM- mastering number/ MathsHub		
Represent and use number bonds and related subtraction facts within 20.			
Add one-digit numbers to 20, including zero.	Rekenrek- The rekenreks will also develop the children's fluency and ability to calculate efficiently.		
A combination of 10's frames, bar models,	10		
will be used to support addition skills.	6 + 4 = 10 $6 + 4 = 10$ $6 + 4 = 10$ $6 + 4 = 10$ $6 + 4 = 10$		
	$\begin{array}{c c} 4+6=10\\ 10-4=6\\ 10-6=4 \end{array} \qquad \begin{array}{c} 10-4=6\\ 10-6=4 \end{array} \qquad \begin{array}{c} 6+4=10\\ 4+6=10\\ 10-4=6\\ 10-6=4 \end{array}$		
	Tens Frame Part Whole Model Bar Model		
	4+3=7 1 2 3 4 5 6 7 8 9 10		







DIVISION – Year 1			
Skills and Objectives	Strategies and Methods		
Solve one-step division problems by calculating the answer using objects, pictures and arrays.	20 apples shared between 5 people. How many do they have each?		
	There are 10 children altogether. There are 2 in each group. There are 5 groups.		
	There are 10 in total. There are 5 in each group. There are 2 groups.		













