

Maths curriculum objectives - year 3 autumn term

As part of our COVID 19 recovery curriculum we will be revisiting many of the Year 2 National Curriculum objectives to ensure that the children are secure in their understanding of number. Once children are secure in these objectives we cover the year 3 objectives as outlined below. Maths is also covered in cross-curricular topics especially through Science and Computing.

Number and Place Value

Year 2 objectives:

Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward

Recognise the place value of each digit in a two-digit number (tens, ones)

Recall the multiples of 10 below and above any given 2 digit number e.g. say that for 67 the multiples are 60 and 70

Year 3 objectives:

Count from 0 in multiples of 100

Find 10 or 100 more or less than a given 3digit number

Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)

Compare and order numbers up to 1000

Identify, represent and estimate numbers using different representations

Read and write numbers up to 1000 in numerals and words

Solve number problems and practical problems involving place value

Addition and Subtraction

Year 2 objectives

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 two two-digit numbers

Recall doubles and halves to 20 e.g. knowing that double 2 is 4, double 5 is 10 and half of 18 is 9

Year 3 objectives:

Add and subtract numbers mentally, including a three-digit number and ones

Add numbers with up to three digits using the formal method of columnar addition

Add and subtract numbers mentally, including a three-digit number and tens

Subtract numbers with up to three digits using the formal method of columnar subtraction

Add and subtract numbers mentally, including a three-digit number and hundreds

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

Multiplication and Division

Year 2 objectives

Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs

Solve problems involving multiplication and division, using concrete materials and mental methods

Solve problems involving multiplication and division, using arrays, repeated addition and multiplication and division facts, including problems in contexts e.g. knowing that $2 \times 7 = 14$ and $2 \times 8 = 16$, explains that making pairs of socks from 15 identical socks will give 7 pairs and one sock will be left

Year 3 objectives:

Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

(further multiplication and division objectives will be covered in Spring one)