

William Stukeley C of E School  
Maths Curriculum Progression

**Number: Number and Place Value**

**COUNTING**

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Count objects, actions and sounds  Have a deep understanding of number to 10, including the composition of each number (ELG)	count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number			count backwards through zero to include negative numbers	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	use negative numbers in context, and calculate intervals across zero
Subitise (recognising quantities without counting) up to 5 (ELG)  Verbally count beyond 20, recognising the pattern of the counting system (ELG)	count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward	count from 0 in multiples of 4, 8, 50 and 100;	count in multiples of 6, 7, 9, 25 and 1000	count forwards or backwards in steps of powers of 10 for any given number up to 1000 000	
Understand the 'one more than / one less than' relationship between consecutive numbers	given a number, identify one more and one less		find 10 or 100 more or less than a given number	find 1000 more or less than a given number		
Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10,						

William Stukeley C of E School  
Maths Curriculum Progression

including double facts (ELG)						
<b>COMPARING NUMBERS</b>						
Compare numbers  Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity (ELG)	use the language of: equal to, more than, less than (fewer), most, least	compare and order numbers from 0 up to 100; use <, > and = signs	compare and order numbers up to 1000	order and compare numbers beyond 1000  <i>compare numbers with the same number of decimal places up to two decimal places</i> (copied from Fractions)	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)

William Stukeley C of E School  
Maths Curriculum Progression

**IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS**

<p>Explore the composition of numbers to 10</p> <p>Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally (ELG)</p>	<p>identify and represent numbers using objects and pictorial representations including the number line</p>	<p>identify, represent and estimate numbers using different representations, including the number line</p>	<p>identify, represent and estimate numbers using different representations</p>	<p>identify, represent and estimate numbers using different representations</p>		
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**READING AND WRITING NUMBERS (including Roman Numerals)**

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Link the number symbol (numeral) with its cardinal number value</p>	<p>read and write numbers from 1 to 20 in numerals and words.</p>	<p>read and write numbers to at least 100 in numerals and in words</p>	<p>read and write numbers up to 1000 in numerals and in words</p> <p><i>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</i> (copied from Measurement)</p>	<p>read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</p>	<p>read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)</p> <p>read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</p>	<p>read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value)</p>

William Stukeley C of E School  
Maths Curriculum Progression

UNDERSTANDING PLACE VALUE						
		recognise the place value of each digit in a two-digit number (tens, ones)	recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)
				<i>find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths (copied from Fractions)</i>	<i>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions)</i>	<i>identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places (copied from Fractions)</i>

ROUNDING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				round any number to the nearest 10, 100 or 1 000	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	round any whole number to a required degree of accuracy
				<i>round decimals with one decimal place to the nearest whole number (copied from Fractions)</i>	<i>round decimals with two decimal places to the nearest whole number and to one decimal place (copied from Fractions)</i>	<i>solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions)</i>

PROBLEM SOLVING						
		use place value and number facts to solve problems	solve number problems and practical problems involving these ideas.	solve number and practical problems that involve all of the above and with increasingly	solve number problems and practical problems that involve all of the	solve number and practical problems that involve all of the above

William Stukeley C of E School  
 Maths Curriculum Progression

				large positive numbers	above	
VOCABULARY						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number	Number	Numbers to one hundred	Numbers to one thousand	Tenths, hundredths Decimal (places)	Powers of 10	Numbers to ten million
One, two three to twenty and beyond	Zero, one, two, three to twenty, and beyond, None	Hundreds		Round (to nearest)		
None	Count (on/up/to/from/down)	Partition, recombine		Thousand more/less than		
Count on/up/to/from/down	Count (on/up/to/from/down)	Hundred more/less		Negative integers		
Before, after	Before, after			Count through zero		
More, less, many, fewer, fewest, smaller, smallest	More, less, many, few, fewer, least, fewest, smallest, greater, lesser			Roman numerals (I to C)		
Equal to, the same as	Equal to, the same as					
Odd, even	Odd, even					
Digit	Pair					
Numeral	Units, ones, tens					
Compare	Ten more/less					
Order	Digit					
Size	Numeral					
Value, between,	Figure(s)					

William Stukeley C of E School  
Maths Curriculum Progression

halfway between	Compare (In) order/a different order Size Value Between, halfway between Above, below					
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