Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 *Count to and across 100, forwards and backwards, beginning with 0 or 1 or from any given number, *Count in multiples of twos, fives and tens. *Count in steps of 2,3, and 5 from 0 and in tens from any given number, forward and backwards *Count from 0 in multiples of 4,8, 50 and 100; find 10 or 100 more or less than a given number. *Count in multiples of 6,7,9,25 and 1000 *Count backwards through zero to include negative numbers *Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 *Count forwards and backwards with positive and negative whole numbers, including through zero *Identify and represent numbers using objects and pictorial representations *Read and write numbers to in words *Read and write numbers to at least 100 in numerals and in words *Identify, represent and estimate numbers using different representations *Read and write numbers to in words *Identify, represent and estimate numbers using different representations *Read and write numbers to in words *Read and write numbers using different representations *Read and write numbers to in words *Read and write numbers using different representations *Read and write numbers using different representations *Read, morite (order and compare) numbers to at least 1000 on and determine the value of each value of each digit.	Place Value							
Year 1Year 2Year 3Year 4Year 5Year 6*Count to and across 100, forwards and backwards, beginning with 0 or 1 or from any given number. *Count in multiples of twos, fives and tens.*Count in steps of 2,3, and 5 from 0 and in tens from any given number, forward and backwards*Count from 0 in multiples of 4,8, 50 and 100; find 10 or 100 more or less than a given number.*Count in multiples of 6,7,9,25 and 1000 *Count backwards through zero to include negative numbers*Count forwards or backwards in steps of powers of 10 for any given numbers.*Count numbers to 100 in numerals; count in multiples of twos, fives and tens.*Read and write numbers to at least 100 in numerals and in words*Tentify, represent and estimate numbers using different representations *Read and write numbers to in words*Read and write (order and estimate numbers using different representations *Read and write numbers to in words*Read, write (order and estimate numbers using different representations *Read and write numbers using different representations *Read and write numbers to in words*Read, write (order and estimate numbers using different representations *Read and write numbers using different representations *Read and write numbers to in words*Read, write (order and estimate numbers using different representations *Read and write numbers using different representations *Read Roman numerals to talent fight whether the valu	Counting							
*Count to and across 100, forwards and backwards, beginning with 0 or 1 or from any given number. *Count in multiples of 4,8, 50 and 100; find 10 or 100 more or less than a given number. *Count forwards or 6,7,9,25 and 1000 *Count backwards through zero to include negative numbers *Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 *Count forwards and backwards with positive and negative whole numbers, including through zero *Identify and represent numbers using objects and pictorial representations *Read and write numbers to at least 100 in numerals and in words *Identify, represent and estimate numbers using different representations *Identify, represent and estimate numbers up the or backward write numbers using different representations *Read and write nu	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Represent*Identify and represent*Read and write numbers to at least 100 in numerals and in words*Identify, represent and estimate numbers using different representations*Identify, represent and estimate numbers using different representations*Read, write (order and compare) numbers to at least 100 000 and determine the value of each digit.	*Count to and across 100, forwards and backwards, beginning with 0 or 1 or from any given number. *Count 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 given number, forward and backwards	*Count from 0 in multiples of 4,8, 50 and 100; find 10 or 100 more or less than a given number.	*Count in multiples of 6,7,9,25 and 1000 *Count backwards through zero to include negative numbers	*Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 *Count forwards and backwards with positive and negative whole numbers, including through zero			
*Identify and represent numbers using objects and pictorial representations *Read and write numbers to in words *Read and write numbers and in words *Identify, represent and *Read, write (order and estimate numbers using different representations *Read and write numbers using *Read Roman numerals to the transformation *Read and write numbers using *Read Roman numerals to the transformation *Read Roman numerals to	Represent							
100 in numerals estimate numbers using different representations, from 1-20 in numerals and words to 1000 in numerals and words 100 (1 to C) and Know that over time the numeral system changed to include the concept of zero and place value. digit *Read Roman numerals to 1000 (M) and recognize years written in Roman numerals.	*Identify and represent numbers using objects and pictorial representations *Read and write numbers to 100 in numerals *Read and write numbers from 1-20 in numerals and words	*Read and write numbers to at least 100 in numerals and in words *Identify, represent and estimate numbers using different representations, including the number line.	*Identify, represent and estimate numbers using different representations *Read and write numbers up to 1000 in numerals and words	*Identify, represent and estimate numbers using different representations *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.	*Read, write (order and compare) numbers to at least 1 000 000 and determine the value of each digit *Read Roman numerals to 1000 (M) and recognize years written in Roman numerals.	*Read, write (order and compare) numbers up to 10 000 000 and determine the value of each digit.		
Use and compare								
Given a number, identify one more and one lessRecognise the place value of each digit in a two-digit number (tens, ones) Compare and order numbers and = signsRecognise the place value of each digit in a two-digit number (tens, ones) Compare and order numbers up to 1000Find 1000 more or less than a given number(Read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit(Read, write) order and compare numbers up to 10 000 000 and determine the value of each digit.MarkImage: Sign Sign Sign Sign Sign Sign Sign Sign	Given a number, identify one more and one less	Recognise the place value of each digit in a two-digit number (tens, ones) Compare and order numbers from 0 up to 100, use < , > and = signs	Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Compare and order numbers up to 1000	Find 1000 more or less than a given number Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones) Order and compare numbers beyond 1000	(Read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit	(Read, write) order and compare numbers up to 10 000 000 and determine the value of each digit.		

St John the Evangelist Maths Progression in Skills

Use place value and number	Solve number problems and	Round any number to the	Interpret negative numbers	Round any whole number to
facts to solve problems	practical problems involving	nearest 10, 100 or 1000	in any context	a required degree of
	these ideas	Solve number and practical	Round any number up to 1	accuracy
		problems that involve all of	000 000 to the nearest 10,	Use negative numbers in
		the above and with	100, 1000, 10 000 and 100	context and calculate
		increasingly large positive	000	intervals across zero
		numbers	Solve practical problems	Solve number and practical
			that involve all of the above	problems that involve all of
				the above

Addition and subtraction							
Calculations							
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
*Add and subtract one-digit and two-digit numbers to 20, including zero	*Add and subtract numbers using concrete objects, pictorial representations and mentally, including: -a two-digit number and ones -a two-digit number and tens - two two-digit numbers Adding three one-digit numbers	*Add and subtract numbers mentally, including: -a three-digit number and ones -a three-digit number and tens -a three-digit number and hundreds *Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	*Add and subtract numbers with up to 4 digits using formal written methods of columnar addition and subtraction, where appropriate	*Add and subtract whole numbers with more than 4 digits, including using formal written methods. *Add and subtract numbers mentally with increasingly large numbers	*Perform mental calculations, including with mixed operations and large numbers *Use knowledge of the order of operations to carry out calculations involving the four operations.		
Problems							
*Solve one-step problems that involve addition and subtraction using concrete objects and pictorial representations, and missing number problems such as 7 = 2 -9	*Solve problems with addition and subtraction: -using concrete objects and pictorial representations, including those involving numbers, quantities and measures	*Solve problems including missing number problems, using number facts, place value, and more complex addition and subtraction.	*Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.	*Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why *Solve problems involving addition subtraction, multiplication and division and a combination of these,	*Solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why.		

	- apply their increasing			including understanding the				
	knowledge of mental and			meaning of the equals sign.				
	written methods							
Multiplication and Division								
Recall and Use								
	*Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognizing odd and even numbers *Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.	*Recall and use multiplication and division facts for the 3,4 and 8 multiplication tables	*Recall multiplication and division facts for multiplication tables up to 12x12 *Use place value, known and derived fact to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers *Recognise and use factor pairs and commutativity in mental calculations	*Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers *Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers *Establish whether a number up to 100 is prime and recall prime numbers up to 19 *Recognise and use square numbers and cube numbers	*Identify common factors, common multiples and prime number *Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.			
				and the notation for each.				
Calculations								
	*Calculate mathematical statements for multiplication and division within the multiplication tables and write them using x, ÷ and =	*Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including two- digit numbers times one digit numbers, using mental and progressing to formal written methods.	*Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.	*Multiply numbers up to 4 digits by a one or two-digit number using formal written methods, including long multiplication for two- digit numbers *Multiply and divide numbers mentally, drawing upon known facts *Divide numbers up to 4 digits by a one digit using the formal written method of short division and interpret remainders	*Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication *Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division and interpret remainders as whole numbers, fractions or by rounding, as appropriate for			

		Multiply and divide whole	* Divide numbers up to 4
		numbers and those involving	digits by a two-digit whole
		decimals by 10, 100 and	number using the formal
		1000	written method of short
			division where appropriate,
			interpreting remainders
			according to the context.
			*Perform mental
			calculations, including with
			mixed operations and large
			numbers.