All Saints Church of England Primary School

Non – negotiable targets for Mathematics by year group

These non-negotiables are based on the elements of the maths curriculum that make the most significant difference to the quality and pace of children's learning.

These outlines should never be understood or used as a map of the totality of the curriculum: they are simply meant to act as a constant reminder of basic skills.

EYFS	Year 1	Year 2	Year 3	Year 4
• Count to 20. • Count reliably at least 10 objects. • Use 'more' and 'less' to compare two numbers. • Estimate number of objects and check by counting. • Recognise written numerals 1 to 9. • Say one more / less (to 10). • Add and subtract two small groups of objects (to 10).	• Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • Count, read and write numbers to 100 in numerals • Count in multiples of twos, fives and tens • Given a number, identify one more and one less • Read and write numbers from 1 to 20 in numerals and words. • Represent and use number bonds and related subtraction facts within 20 • Add and subtract one-digit and two-digit numbers to 20, including zero	• Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward • Recognise the place value of each digit in a two-digit number (tens, ones) • Compare and order numbers from 0 up to 100 • Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables • Recognise odd and even numbers • Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones a two-digit number and tens 3 one-digit numbers • Find simple fractions, e.g. 1/2, 1/3, 1/4, 1/5, 1/10 of shapes & amounts. • Tell and write the time to five minutes	• Count from 0 in multiples of 4, 8, 50 and 100 • Find 10 or 100 more or less than a given number • Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • Compare and order numbers up to 1000 • Read and write numbers up to 1000 in numerals and in words • Add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens • Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables • Add and subtract fractions with the same denominator within one whole • Know the number of seconds in a minute and the number of days in each month, year and leap year	• Count in multiples of 6, 7, 9, 25 and 1000 • Find 1000 more or less than a given number • Count backwards through zero to include negative numbers • Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) • Order and compare numbers beyond 1000 • Solve number and practical problems that involve all of the above and with increasingly large positive numbers • Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • Recall multiplication and division facts for multiplication tables up to 12 × 12 • Add and subtract fractions with the same denominator • Read, write and convert time between analogue and digital 12 and 24-hour clocks

Year 5	**Year 6**			
• Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit • Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 • Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero • Add and subtract whole numbers with 4 or more digits • Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number (e.g. 2/5 + 4/5 = 6/5 = 11/5) • Convert between different units of metric measure including time	• Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit • Add, subtract, multiply and divide numbers with up to 4 digits using the formal written methods of columnar addition and subtraction, short and long multiplication, and short and long division • 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 • Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions • Express missing number problems algebraically • Convert between miles and kilometres			