

St Luke's CE Primary School

Medium Term Curriculum Map for Mathematics – NC 2014

Year 4 - Autumn Term 1



Topic / Coverage	Curriculum Objectives
Place value <i>Non-negotiable:</i> Order and compare numbers beyond 1000.	<ul style="list-style-type: none"> ● To begin to recognise the place value of each digit in a four-digit number. ● To begin to order and compare numbers beyond 1000. ● To begin to identify, represent and estimate numbers using different representations.
Mental addition and subtraction <i>Non-negotiable:</i> Find 10 or 100 more or less than a given number. (Year 3) 1000 (Year 4)	<ul style="list-style-type: none"> ● To add pairs of 2 digit numbers, and 3 digit and 2 digit numbers using place value or counting on. ● To subtract 2 digit numbers from 2 digit numbers and from numbers greater than 100 by counting back or counting up.
Addition and subtraction <i>Non-negotiable:</i> Add and subtract numbers with up to 4 digits.	<ul style="list-style-type: none"> ● To add numbers with 3 digits using the formal written method (columnar addition) ● To estimate and use inverse operations to check answers to a calculation.
Using multiplication and division facts <i>Non-negotiable:</i> Recall multiplication and division facts for times tables up to 12 x 12	<ul style="list-style-type: none"> ● To recall multiplication and division facts for multiplication tables for up to 12 x 12. (x3, 4, 6, 8) ● To use place value, known and derived facts to multiply and divide mentally – doubling and halving 2 and 3 digit numbers. ● To solve problems involving doubling and halving 2 and 3 digit numbers. ● To recognise and use factor pairs and commutativity in mental calculations.
Shape and data <i>Non-negotiable:</i> Recall multiplication and division facts for times tables up to 12 x 12	<ul style="list-style-type: none"> ● To compare/classify geometric shapes including quadrilaterals and triangles, based on their properties/sizes. ● To identify lines of symmetry in 2-D shapes presented in different orientations.
Place value, mental addition and subtraction <i>Non-negotiable:</i> Find 1000 more or less than a given number.	<ul style="list-style-type: none"> ● To find 1, 10, 100, 1000 more/less than 4-digit numbers. ● To identify, represent and estimate numbers using different representations. ● To recognise the place value of each digit in a four-digit number. ● To order and compare numbers beyond 1000.
Review and Asses	

St Luke's CE Primary School

Medium Term Curriculum Map for Mathematics – NC 2014

Year 4 - Autumn Term 2



Topic / Coverage	Curriculum Objectives
Place value, mental addition and subtraction <i>Non-negotiable:</i> round any number to the nearest 10, 100, 1000	<ul style="list-style-type: none"> ● To add and subtract numbers with 3 or 4-digit numbers using place value. ● To round any number to the nearest 10, 100, 1000
Written addition and subtraction <i>Non-negotiable:</i> Add and subtract numbers with up to 4 digits.	<ul style="list-style-type: none"> ● To add and subtract numbers with up to 4 digits – begin to use the formal written methods of columnar addition and subtraction where appropriate.
Time <i>Non-negotiable:</i> Read, write and convert time between analogue and digital 12 and 24 hour clocks	<ul style="list-style-type: none"> ● To read, write and convert time between analogue and digital 12- and 24- hour clocks. ● To solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
Data <i>Non-negotiable:</i> Count in 6, 7, 9, 25, 1000	<ul style="list-style-type: none"> ● To interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. ● To solve comparison, sum and different problems using information presented in bar charts, pictograms, tables and other graphs.
Multiplication <i>Non-negotiable:</i> Recall multiplication and division facts for times tables up to 12 x 12	<ul style="list-style-type: none"> ● To use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers. ● To solve problems involving multiplying. ● To recall multiplication and division facts for multiplication tables (up to 12 x 12).
Division and fractions <i>Non-negotiable:</i> Recall multiplication and division facts for times tables up to 12 x 12	<ul style="list-style-type: none"> ● To use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers. ● To recognise and show, using diagrams, families of common equivalent fractions. ● To solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities.
Review and Asses	