

John Fletcher of Madeley Primary School
 Medium term planning – New Curriculum 2014

Year 3

Autumn Term

Mathematical aspect		Curriculum statement
U & A	Unit 1 Reading, writing and ordering two- and three-digit numbers	<ul style="list-style-type: none"> ● To recognise the place value of each digit in a three-digit number (hundreds, tens, and ones). ● To compare and order numbers up to 1000. ● To read and write numbers up to 1000 in numerals and in words.
U & A	Unit 2 Counting and estimating	<ul style="list-style-type: none"> ● To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number. ● To identify, represent and estimate numbers using different representations.
U & A	Unit 3 Number facts to 20 and to 100 Addition and Subtraction of 1 and 2-digit numbers	<ul style="list-style-type: none"> ● To add and subtract numbers mentally, including: <ul style="list-style-type: none"> ● a three-digit number and ones ● a three-digit number and tens ● a three-digit number and hundreds. ● To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
U & A	Unit 4 Multiplication and division facts	<ul style="list-style-type: none"> ● To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. ● To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental methods. ● To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects.
U & A	Unit 5 Measurement: using mm, cm and metres	<ul style="list-style-type: none"> ● To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). ● To measure the perimeter of simple 2D shapes.
U & A	Unit 6 Geometry: recognising, describing and making 2D and 3D shapes	<ul style="list-style-type: none"> ● To draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them with increasing accuracy. ● To identify horizontal, vertical, perpendicular and parallel lines in relation to other lines.
U & A	Unit 7 Addition and subtraction of two- and three-digit numbers, using a number line and columns	<ul style="list-style-type: none"> ● To add and subtract numbers with up to three digits, using the formal written methods of columnar addition and subtraction. ● To estimate the answer to a calculation and use inverse operations to check answers. ● To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

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U & A	Unit 8	Multiplication and division: doubling, halving and $TU \times U$	<ul style="list-style-type: none"> ● To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. ● To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. ● To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects.
U & A	Unit 9 & 10	Fractions: representing, comparing and ordering unit fractions of shapes and numbers	<ul style="list-style-type: none"> ● To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. ● To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. ● To compare and order unit fractions, and fractions with the same denominators. ● To solve problems that involve all of the above.
U & A	Unit 11	Measurement: time	<ul style="list-style-type: none"> ● To tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. ● To estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as am/pm, morning, afternoon, noon and midnight. ● To know the number of seconds in a minute and the number of days in each month, year and leap year. ● To compare durations of events, for example to calculate the time taken by particular events or tasks.
U & A	Unit 12	Statistics: read, present and interpret pictograms and tables	<ul style="list-style-type: none"> ● To interpret and present data using bar charts, pictograms and tables ● To solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.