

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

Year 3

Summer Term

Mathematical aspect		Curriculum statement
U & A	Week 1 Read, write and order and round two- and three- digit numbers	<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 recognise the place value of each digit in a three-digit number (hundreds, tens, ones). ● To compare and order numbers up to 1000. ● To identify, represent and estimate numbers using different representations. ● To read and write numbers up to 1000 in numerals and in words. ● To solve number problems and practical problems involving these ideas.
U & A	Week 2 Multiplication and division problems	<ul style="list-style-type: none"> ● 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	Week 3 Addition and subtraction of three-digit numbers and 1s, 10s and 100s	<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 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.
U & A	Week 4 Measurement: using millilitres and litres	To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
U & A	Week 5 Geometry: identifying horizontal, vertical, and curved lines	<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 recognise angles as a property of shape and associate angles with turning. ● To identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle. ● To identify horizontal, vertical, perpendicular and parallel lines in relation to other lines.
U & A	Week 6 Addition and subtraction of up to three digit numbers using columns	<p>To add and subtract numbers with up to three digits, using the formal written methods of columnar addition and subtraction.</p> <ul style="list-style-type: none"> ● 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.

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

U & A	Week 7	<p>Multiplication and division: multiplying by multiples of 10, and dividing with remainders</p>	<p>To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <ul style="list-style-type: none"> ● 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. <p>Knowing when to round the quotient up or round down with remainders.</p>
U & A	Week 8	<p>Multiplication and division: Short multiplication and division</p>	<p>Pupils develop reliable written methods for multiplication and division, starting with calculations of two-digit numbers by one-digit numbers and progressing to the formal written methods of short multiplication and division.</p>
U & A	Week 9	<p>Measurement: read and write time using 12 and 24 hour</p>	<p>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.</p> <ul style="list-style-type: none"> ● 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	Week 10 & 11	<p>Fractions: equivalence, addition and subtraction within 1, finding tenths</p>	<p>To count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.</p> <ul style="list-style-type: none"> ● To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. ● To recognise and show, using diagrams, equivalent fractions with small denominators. ● To add and subtract fractions with the same denominator within one whole ($5/7 + 1/7 = 6/7$). ● To solve problems that involve all of the above.
U & A	Week 12	<p>Statistics: using information presented in scaled bar charts and pictograms and tables.</p>	<p>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.</p>