

Medium term planning – New Curriculum 2014

Year 4/5

Summer Term

Mathematical aspect	National Curriculum statement (End of Year) Be advised that you might need to revisit this concept later in the year.	Linked to MNP planning - Refer to year group to merge the lessons Yr 5 MNP planning are in grey. Y5 NC objectives in yellow highlight Refer to NCETM materials for subject knowledge and addition planning resources
<p>Week 1 Written methods division</p>	<p>To use a formal written method for multiplication and division.</p>	<p>L12 yr4 dividing 2 digit numbers / Yr 5 dividing 3 digit numbers. L13 yr 4 dividing 3 digit numbers / yr5 dividing 4 digit numbers. L14 yr 4 dividing 2 digit numbers with a remainder/ yr5 dividing 3 digit numbers with a remainder. L15 yr 4 diving 3-digit numbers with renaming/ yr 5 dividing 4 digit numbers with renaming. L16 yr 4 dividing 3 digit numbers with remainder/ yr 5 dividing 4 digit numbers with remainders</p>
<p>Week 2 Percentages</p>	<p>To recognise the per cent symbol (%) and understand that per cent relates to “number of parts per hundred”  To read Roman Numerals</p>	<p>Chapter 8 Percentages L1 yr 5 comparing quantities/ differentiate for yr 4 L2 yr 5 finding percentages/ differentiate yr 4 L3 yr 5 finding percentages/ differentiate yr 4  Roman Numerals L1 Y4 (Chapter 14) Writing Roman Numerals/ L1 Y5 Writing Roman Numerals to 1000 (chapter 14) L2 Y4 writing Roman Numerals up to 100/ L2 Writing years in Roman Numerals.</p>
<p>Week3 &amp; 4 Area and perimeter</p>	<p>To measure and calculate perimeters To find the area of rectilinear shapes</p>	<p>L4 Y5 Using scale diagrams to find the perimeter / differentiate for Y4 L1 Y4 Measuring the surface that an object cover / L5 Measuring the area. L2 Y4 Measuring area/ L6 Measuring the area L3 Y4 Measuring area/ L7 Measuring the area</p>

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		L4 Y4 Measuring area/ L8 Measuring the area L5 Y4 Measuring area/ L10 Measuring the area L6 Y4 Measuring area/ L11 estimating the area
Week 5 &6 Mass & Volume	<p>To measure, compare and convert between units of measure</p> <p>To understand and use approximate equivalences between metric units and common imperial units</p> <p>To make 3-D shapes using modelling materials including volume</p> <p>To solve problems in the context of measures</p>	<p>L1 Y4 (Chapter 10) Measuring Mass/ L2 Y4 Measuring mass</p> <p>L3 Y4 Converting units of mass/ L5 Y5 converting units of mass</p> <p>L6 Y5 Converting units of mass/ L8 Y5 converting units of mass (Kg to lbs)</p> <p>L4 Y4 Measuring volume / L1 Y5 (chapter 13) Understanding the volume of solids</p> <p>L5 Y4 Measuring volume / L2 Finding the volume of solids</p> <p>L4 Y5 Finding the capacity of rectangular boxes/ L5 Y5 Finding the capacity of rectangular boxes</p> <p>L6 Y4 Converting units of volume/ L6 Y5 Converting units of volume</p> <p>L7 Y5 Converting units of volume/ L8 Y5 Converting units</p> <p>L9 Y5 Solving problems involving volume / differentiate for Y4</p>
Week 7 Geometry- angles	<p>To understand the properties polygons</p> <p>To understand the properties of 3D shapes</p> <p>To recognise, compare and classify geometric shapes</p> <p>To identify right angles, acute and obtuse angles</p> <p>To recognise and complete a simple symmetrical figure and measure/draw angles accurately</p> <p>To know angles are measured in degrees: to compare and order angles</p> <p>To use the properties of rectangles and triangles to solve problems</p>	<p>L6 Y4 Drawing lines of symmetry (chapter 12) L7 Y4 Completing symmetrical figures</p> <p>L3 Y5 (Chapter 9) Measuring angles / differentiate for Y4</p> <p>L4 Y5 Investigating angles on a line / differentiate for Y4</p> <p>L5 Y5 investigate angles at a point/ differentiate for year 4</p> <p>L9 Y5 investigate angles in squares and rectangles / differentiate for Y4</p> <p>L10 Y5 Solving problems involving angles in rectangles/ differentiate Y4</p>

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<p>Week 8-10 Word problems</p>	<p>To add and subtract numbers mentally.</p> <p>To add and subtract numbers using columnar methods To estimate the answer to a calculation and use inverse operations to check answers</p> <p>To solve addition and subtraction problems To use a formal written method for multiplication and division.</p> <p>To solve problems, including missing number problems, involving multiplication and division</p>	<p>L15 Y4 (Chapter 2) Solving word problems / differentiate for Y5 L16 Y4 (Chapter 2) Solving word problems/ differentiate for Y5 L17 Y4 (Chapter 2) Solving word problems/ differentiate for Y5 L13 Y4 (Chapter 3) Solving word problems/ differentiate for Y5 L14 Y4 (Chapter 3) Solving word problems/ differentiate for Y5 L15 Y4 (Chapter 3) Solving word problems/ differentiate for Y5 L16 Y4 (Chapter 3) Solving word problems/ differentiate for Y5 L17 Y4 (Chapter 3) Solving word problems/ differentiate for Y5 L18 Y4 (Chapter 3) Solving word problems/ differentiate for Y5 L1 Y5 (Chapter 4) Solving word problems/ differentiate for Y4 L2 Y5 (Chapter 4) Solving word problems/ differentiate for Y4 L3 Y5 (Chapter 4) Solving word problems/ differentiate for Y4 L4 Y5 (Chapter 4) Solving word problems/ differentiate for Y4</p>
<p>Week 10</p>	<p>Assessment week</p>	

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<p>Week 11 &amp; 12</p>	<p>Fractions</p> <p>To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</p> <p>To recognise and show equivalents</p> <p>To add and subtract fractions</p> <p>To compare and order fractions, including mixed numbers</p>	<p>Recap:</p> <p>L4 Y4 – finding equivalent fractions (Chapter 6) / L3 Y5 Finding equivalent fractions</p> <p>L6 &amp; L7 Y4 – simplifying mixed numbers/ L2 Writing improper fractions and mixed numbers</p> <p>L5 Y5 Comparing and ordering fraction/ differentiate for Y4</p> <p>L6 Y5 Comparing and ordering fractions/ differentiate Y4</p> <p>L10 Y4 – adding fractions/ L10 adding fractions</p> <p>L12 Y4 – subtracting fractions/ L14 yr 5 subtracting fractions</p> <p>L13 Y4 – solving word problems/ differentiate for year 5</p> <p>L15 yr 5 Multiplying fractions by whole numbers/ differentiate for y4 or GAPS</p> <p>L16 yr 5 Multiplying fractions by whole numbers/ differentiate for y4 or GAPS</p> <p>L17 yr 5 Multiplying mixed numbers/ differentiate for y4 or GAPS</p> <p>L18 yr 5 Multiplying mixed numbers by whole numbers/ differentiate for y4 or GAPS</p>
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