



Maths Medium Term

Year: 4 Term: Summer Term Teacher: Miss Collins & Mrs Stein

<u>Week</u>	<u>Topic</u>	<u>Objectives</u>
Week 1	Number and Place Value to solve Problems	<ul style="list-style-type: none">○ Read and write numbers to 10000○ Order and compare numbers beyond 1000○ Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones)○ Identify the value of each digit to at least one decimal place○ Introduce hundredths as the effect of dividing a one- or two-digit number by 100○ Partition numbers into tens, ones, tenths and hundredths using manipulative to support○ Read and write decimal numbers using the correct terms○ Recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$○ Round whole numbers to the nearest 10,100 and 1000.○ Round decimals with one decimal place to the nearest whole number.○ Order and compare numbers with the same number of decimal places up to two decimal places including on a number line○ Solve problems that involve number and place value



Maths Medium Term

Weeks 2 & 3	Addition & Subtraction to solve problems	<ul style="list-style-type: none"> ○ Addition and subtraction to 1000 to solve problems ○ Estimate answers to calculations ○ Add two or more numbers (2-digit or 3- digits) crossing the tens and/or hundred boundaries –expanded written recording or column method (answer less than 1000) ○ Subtract a 2 or 3 – digit numbers number from another 2 or a 3-digit number (less than 1000) crossing the tens and hundreds boundaries– expanded method of written recording ○ Use inverse to check the answers to calculations ○ Solve problems, including missing number problems, using number facts or place – link to real life contexts– e.g. money and measures ○ Add numbers with up to 4 digits and decimals with one decimal place using a compact written method ○ Subtract numbers with up to 4 digits and decimals with one decimal place using an expanded or compact written method ○ Use inverse to check the answer to calculations ○ Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
Week 4	Measures – Money to solve	<ul style="list-style-type: none"> ○ Estimate the answer to a calculation ○ Add and subtract amounts of money to give change, using both £ and



Maths Medium Term

	problems	<p>p in practical contexts to £10</p> <ul style="list-style-type: none"> ○ Use inverse to check answers to calculations ○ Think about the most appropriate strategy to solve a calculation: mentally, using a jotting or a written method ○ Add two or more amounts of money using compact written methods ○ Subtract to find a price difference or to calculate change using an expanded written or compact written method ○ Count up (shopkeepers addition) to find change from notes ○ Multiply amounts of money to find the price of several of the same article using an expanded method . ○ Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
Week 5	Measures – Capacity and Volume	<ul style="list-style-type: none"> ○ Read and interpret the scale on a range of measuring equipment- link to number line ○ Estimate, measure, compare volume/capacity ○ Estimate the answer to a calculation ○ Add and subtract volume/capacity (l/ml) ○ Solve problems involving capacity ○ Convert between different units of capacity l/mm



Maths Medium Term

		<ul style="list-style-type: none">○ Consider the most appropriate strategy to solve a calculation calculate mentally, use a jotting or a written method○ Add two or more volumes with up to 4 digits (including decimals with two decimal places) using a written method of addition where appropriate○ Subtract volumes up to 4 digits (including decimals with two decimal places) using a written method of subtraction where appropriate
Week 6	Fractions	<ul style="list-style-type: none">○ Count up and down in $\frac{1}{2}$, $\frac{1}{3}$ $\frac{1}{4}$, $\frac{1}{10}$ to 10○ Continue to recognise, find and name fractions of a set objects- thirds, halves, quarters and tenths, unit and non-unit fractions (whole number answers)○ To be able to find fractions of a number○ Add fractions with the same denominator-use diagrams and manipulatives to support○ Subtract fractions with the same denominator- use diagrams and manipulatives to support○ Recognise and show, using diagrams, families of common equivalent fractions○ Solve problems involving using fractions to calculate quantities,



Maths Medium Term

		<p>including non-unit fractions where the answer is a whole number</p> <ul style="list-style-type: none"> ○ Solve problems involving using fractions to divide quantities including non-unit fractions where the answer is a whole number
<p>Weeks 7 & 8</p>	<p>Multiplication & Division to solve problems</p>	<ul style="list-style-type: none"> ○ Recall and use facts for the, 3x 4x and 8s tables and related division facts ○ Write and calculate number sentences for 2x, 5x, 10x, 4x and 8x tables including division facts ○ Write and calculate mathematical statements for multiplication using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and/or expanded written methods (supported by diagrams or manipulatives.) ○ Solve problems involving money and measures including scaling problems (making an amount a number of times larger. ○ Multiply two-digit and three-digit numbers by a one-digit number using an expanded written layout. ○ Write and calculate number sentences for division using the multiplication tables that they know, including for two-digit numbers divided by one-digit numbers, using mental and progressing to expanded written methods (supported by manipulatives and arrays) ○ Use inverse to check answers to calculations



Maths Medium Term

		<ul style="list-style-type: none"> ○ Solve missing number problems involving multiplication or division ○ Solve positive integer scaling problems involving multiplications or division ○ Solve correspondence problems in which n objects are connected to m objects involving multiplications or division ○ Divide numbers up to 3 digits by a one-digit number using an expanded or written method of short division (using manipulative /diagrams to support) ○ Interpret remainders appropriately for the context ○ Use inverse to check the answer to calculations ○
Week 9	Shape, position and direction	<ul style="list-style-type: none"> ○ Describe movements between positions as translations of a given unit to the left/right and up/down ○ Identify horizontal and vertical lines and pairs of perpendicular and parallel lines ○ To be able to measure angles to the nearest 5 degrees or nearest degree ○ To be able to draw angles to the nearest 5 degrees
Week 10	Statistics	<ul style="list-style-type: none"> ○ Construct scaled (in steps of 2,3 5 or 10) pictograms, bar charts and tables



Maths Medium Term

		<ul style="list-style-type: none"> ○ Interpret pictograms, bar charts and tables ○ Solve one-step and two-step questions such as ‘How many more?’ and ‘How many fewer?’ using information presented in scaled bar charts, pictograms and tables ○ Interpret and present discrete using appropriate graphical methods, including bar charts and time graphs
Week 11	Measures – time	<ul style="list-style-type: none"> ○ Solve simple problems involving passage of time-use a number line ○ Continue to record and compare time as minutes and hours crossing the hour on an analogue clock ○ Read time on a digital clock ○ Record and compare time as minutes and hours crossing the hour on a digital clock (12 hour) ○ Convert time between analogue and digital clocks and times ○ Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
Week 12	Problem solving – 4 operations	<ul style="list-style-type: none"> ○ To be able to solve one and two step word problems involving the 4 operations.
Week 13	Assess & review	



Maths Medium Term