



## Maths Medium Term

**Year:1**

**Term: Spring 2017**

**Teacher: Mrs Fisher & Miss Coveney**

<b>Week</b>	<b>Topic</b>	<b>Objectives</b>
	Mental Oral starters	<ul style="list-style-type: none"> <li>➤ Recite numbers to 100 forwards and backwards from 0 or 1</li> <li>➤ Recite numbers to 10 as first, second, third</li> <li>➤ Read and write numbers to 100 in numerals</li> <li>➤ Read and write numbers 20 in words</li> <li>➤ Recite multiples of 10 to 100</li> <li>➤ Order random numbers to 100</li> <li>➤ Compare numbers within 100</li> <li>➤ Find 1 more/ 1 less of any number to 1- 99</li> <li>➤ Find numbers between 2 given numbers</li> <li>➤ Count on or back from a given number with 100</li> <li>➤ Recite days of the week</li> <li>➤ Recall addition and subtraction facts for each number up to 10.</li> <li>➤ Recall doubles of numbers to 10 + 10</li> <li>➤ Recall halves of even numbers to 20.</li> <li>➤ Name 2-D shapes and describe them</li> </ul>
Week 1	Number and place value to solve problems	<ul style="list-style-type: none"> <li>• Count up to 100 objects accurately</li> <li>• Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</li> <li>• Order numbers to 100 on a track /number line</li> <li>• Model 1 more /1 less (before /after) and 10 more /10 less given number to 100</li> <li>• Place other numbers onto washing line marked with multiples of 5 and 10</li> <li>• Identify missing numbers on washing line/number line</li> <li>• Reinforce reading, writing and ordering "teen" numbers</li> </ul>

		<ul style="list-style-type: none"> <li>• Read and write numbers from 1 to 20 in numerals and words.</li> <li>• Begin to recognise the place value of numbers beyond 20 (tens and ones).</li> <li>• Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</li> <li>• Solve problems and practical problems involving all of the above.</li> </ul>
Week 2	Addition within 20	<ul style="list-style-type: none"> <li>• Model + and = signs</li> <li>• Model reading, writing and interpreting addition sentences</li> <li>• Add by counting on from the larger number within 20</li> <li>• Add 2 or more 1 digit numbers within 20</li> <li>• Represent -with concrete apparatus- and use number bonds within 20.</li> <li>• Add one-digit and two-digit numbers to 20 including zero (using concrete objects and/or pictorial representations)</li> <li>• Use inverse to check answers to calculations</li> <li>• Solve problems involving addition and subtraction</li> </ul>
Week 3	Measures - Money to solve problems	<ul style="list-style-type: none"> <li>• Recognise coinage 1 p, 2 p, 5 p and 10 p</li> <li>• Count in multiples of, twos, fives and tens.</li> <li>• Pay for items using 1 p, 2 p, 5 p and 10 p coins</li> <li>• Add combinations of known coins to make 20 p</li> <li>• Model giving change from 20p using coins and a number line</li> <li>• Solve problems involving money</li> </ul>
Week 4	Measures-mass or weight and time to solve problems	<p>MASS/WEIGHT</p> <ul style="list-style-type: none"> <li>• Estimate and measure mass and weight using non-standard but uniform units within children's range of known numbers</li> <li>• Compare and order mass and weight</li> <li>• Describe mass/weight for example, heavy/light, heavier than, lighter than.</li> <li>• Solve practical problems for masses/weights.</li> </ul> <p>TIME</p>

		<ul style="list-style-type: none"> <li>• Tell the time to the hour and half past the hour</li> <li>• Draw the hands on a given clock face to show these times.</li> <li>• Compare, describe and solve practical problems for time (quicker, slower, earlier, and later).</li> <li>• Sequence events</li> <li>• Solve problems involving time</li> </ul>
Week 5	Addition and subtraction within 20 to solve problems	<ul style="list-style-type: none"> <li>• Model - and = signs</li> <li>• Model reading, writing and interpreting subtraction sentences (difference)</li> <li>• Find the difference practically by comparing two towers or lengths</li> <li>• Add and subtract one-digit and two-digit numbers to 20 including zero (using concrete objects and/or pictorial representations)</li> <li>• Use inverse to check answers to calculations</li> </ul> <p>Solve problems involving addition and subtraction within 20</p>
Week 6	Number and place value to solve problems	<ul style="list-style-type: none"> <li>• Order numbers 1-100 on track and bead string</li> <li>• Partition teen numbers in 10 and rest</li> <li>• Partition other two -digit numbers into tens and ones</li> <li>• Compare 2 numbers between 0 and 100 -which is more or less?</li> <li>• Solve problem involving ordering numbers or more/less</li> </ul>
Week 7	Addition and subtractions bonds to 10 and to 20 to solve problems	<ul style="list-style-type: none"> <li>• Link bonds for 20 to bonds for 10</li> <li>• Partition 13 to find all the addition pairs that total 13 (0+13, 1+12 etc)</li> <li>• Partition 13 into two groups and model recording the resulting addition and related subtraction number sentences <math>6+5=13</math>, <math>5+6=13</math>, <math>13-6=5</math>, <math>13-5=6</math></li> <li>• Solve missing number problems e.g. <math>13+?= 5</math></li> <li>• Repeat with other numbers to 20</li> <li>• Add and subtract one-digit and two-digit numbers to 20 including zero (using concrete objects and/or pictorial representations)</li> <li>• Use inverse to check answers to calculations</li> <li>• Solve problems involving addition and subtraction within 20 including missing number problems</li> </ul>

Week 8	Shape, Position and direction to solve problems	<ul style="list-style-type: none"> <li>• Recognise, visualise, name and describe 3D shapes cuboids, cubes, pyramids and spheres</li> <li>• Vary size and orientation of shapes</li> <li>• Make models with shapes</li> <li>• Follow and then devise repeating patterns with shapes</li> <li>• Practical activities linked to position</li> <li>• Practical activities linked to whole and half turns</li> <li>• Solve problems involving shape</li> <li>• Solve problems involving position and /or direction.</li> </ul>
Week 9	Fractions to solve problems	<ul style="list-style-type: none"> <li>• Recognise, find and name a half of an object, number, shape or quantity practically</li> <li>• Recall and use doubles of all numbers to 10 and corresponding halves</li> <li>• Solve one-step problems involving fractions by calculating the answer using concrete objects and pictorial representations.</li> </ul>
Week 10	Multiplication and division to solve problems	<ul style="list-style-type: none"> <li>• Count in 2s, 5s and 10 s from zero</li> <li>• Use practical apparatus to show groups of 2, 5, and 10</li> <li>• Share and group quantities practically</li> <li>• Solve one-step problems involving multiplication by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</li> <li>• Solve one-step problems involving division by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. Understand that a fraction can describe part of a whole Use inverse to check the answers to calculations</li> </ul>
Week 11	<b>Assess and review</b>	Assess the learning so far and use gap analysis to revisit the areas of weakness over next week.
Week 12	<b>Review and recap.</b>	