



Maths Medium Term Plan Autumn 2016

Year: 1

Term: Autumn

Teacher: Mrs Fisher & Miss Coveney

Week	Topic	Objectives
Week 1	Number and place value to solve problems (mental oral sessions only)	<ul style="list-style-type: none"> • Count up to at least 20 objects accurately • Order numbers to at least 20 • To order numbers smallest to largest • Read and write numbers from 1 to 20 in numerals and be to write them in words. • 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. • Solve practical problems involving all of the above
Week 2	Number and place value to solve problems (mental oral sessions only)	<ul style="list-style-type: none"> • Count up to 30 and order at least 20 objects accurately • Order numbers to at least 20 • Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. • Read and write numbers from 1 to 20 in numerals and be to write them in words. • 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. • Model 1 more /1 less (before /after) given number to at least 20 • Given a number, identify one more and one less. • Solve practical problems involving all of the above
Week 3	Addition within 10 to solve problems	<ul style="list-style-type: none"> • To read and write an addition number sentence. • Model + and = signs • Model reading, writing and interpreting addition sentences • Add 1, 2, 3, 4 or 5 to number less than 6 by counting on • Add 1 or 2 to numbers 6-8 by counting on • Solve simple one-step problems that involve addition using concrete objects and pictorial representations
Week 4	Addition within 10 to solve problems	<ul style="list-style-type: none"> • Read and write numbers to at least 30 • To read and write an addition number sentence. • To add 1, 2, 3, 4 or 5 to a number less than 6 by counting on. • Solve simple one-step problems that involve addition using concrete objects and pictorial representations
Week 5	Money	<ul style="list-style-type: none"> • To recognise 1p and 2p coins. • To pay for items using 1p and 2p coins. • To use 1p and 2p coins to make 10p.

Week 6	Measures	<ul style="list-style-type: none"> • Measures-length and height to solve problems • Estimate and measure lengths and heights using non-standard but uniform unit • Compare and order lengths and heights • Compare and describe lengths and heights (for example, long/short, longer/shorter, tall/short, double/half). • Measure and begin to record lengths and heights, using non-standard measures within the range of numbers the children understand • Solve practical problems for lengths and heights
Week 7	Addition and subtraction within 10 to solve problems	<ul style="list-style-type: none"> • Model +, – and = signs • Model reading, writing and interpreting subtraction sentences (take away) • Subtract 1, 2, 3, 4 or 5 from a number up to 10 by counting back on a number track • Subtract zero • Represent and use number bonds and related subtraction facts within 10 • Use inverse to check answers to calculations • Solve simple one-step problems that involve addition and subtraction within 10, using concrete objects and pictorial representations, • Solve missing number problems, such as $7 = \square - 5$
Week 8	Number and place value 0-20 to solve problems	<ul style="list-style-type: none"> • Order numbers 1-20 on track and bead string • Make teen numbers with apparatus • Partition teen numbers in 10 and rest • Compare 2 numbers-which is more or less? • Explore reading, writing and ordering “teen “ numbers • Begin to recognise the place value of numbers beyond 20 (tens and ones). • Solve problems involving ordering and comparing numbers
Week 9	Number and place value to solve problems	<ul style="list-style-type: none"> • Count up to at least 20 objects accurately • Order numbers to at least 20 • Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. • Read and write numbers from 1 to 20 in numerals and be to write them in words. • 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. • Model 1 more /1 less (before /after) given number to at least 20 • Given a number, identify one more and one less. Solve practical problems involving all of the above
Week 10	Addition and subtractions bonds to 10 to solve problems	<ul style="list-style-type: none"> • Partition 3 into two groups and model recording the resulting addition and related subtraction number sentences $3+0=3, 2+1=3, 1+2=3$ and $3-0=3, 3-1=2, 3-2=1$ • Repeat with other numbers to 10 • Use inverse to check answers to calculations • Solve missing number problems such as $3 = \square - 2$.

Week 11	Shape, Position and direction to solve problems	<ul style="list-style-type: none"> • Recognise, visualise, name and describe squares, circles, rectangles and triangles • Vary size and orientation of shapes • Make pictures with shapes • Follow and then devise repeating patterns with shapes • Practical activities linked to position
Week 12	Addition and subtraction within 20 to solve problems	<ul style="list-style-type: none"> • Order numbers to 20 • Find 1 more /1 less for numbers to 20 • Find 2 more /2 less for numbers to 20 • Use inverse to check answers to calculations • Solve problems practically using addition and subtraction bonds and facts up to 10 including missing number problems
Week 13	Addition and subtraction within 20 to solve problems	<ul style="list-style-type: none"> • To know that addition can be done in any order • To know by heart pairs of numbers which total 10/20 • To read numbers to 99 • To solve missing number problems
Week 14	Assess and Review	