MATHS MEDIUM TERM PLAN

Year 2 Term 2

Mental & Oral Starter Objectives

Number, Place Value and Rounding

- Count in steps of 2, 3 and 5 from 0.
- Count in steps of 10 from any number forward & backward.
- Recognise odd & even numbers.

Addition & Subtraction

- Apply increasing knowledge of mental methods (bridging 10, Add 9 Subtract 9) to solving word problems.
- Recall & use addition & subtraction facts to 20fluently.
- Derive & use related addition & subtraction facts up to 100.
- Mentally add & subtract numbers, including:
  a 2 digit number and 1's
  a 2 digit number and 10's
  2, 2 digit numbers
  adding 3, 1 digit numbers

Multiplication & Division

- Recall & use multiplication & division facts for the 2, 5 and 10 multiplication tables .
- Recognise odd & even numbers.
- Solve problems involving multiplication & division using mental methods

Measures

- Know the number of minutes in an hour and the number of hours in a day

Week 1 & 2	**Week 3 & 4**	**Week 5 & 6**	**Week 7 & 8**	**Week 9**	**Week 10**	**Week 11 & 12**	**Week 13**
1.Number, Place Value and Rounding	2.Addition & Subtraction	3.Multiplication & Division	4.Fractions	5.Position, direction & movement	6.Properties of shapes	7.Measures	8.Statistics
ones, tens, hundreds, place value, represents, one/two/three digit numbers, digit, teens number, odd, even, equal to, greater than, less than, more, fewer, represent, order, estimate, compare	*add, addition, more than, plus, altogether, sum, total, equals, the same as, subtract, subtraction, less than, take-away, minus, difference, number bond*	*groups of, lots of, multiply, multiplication, times, multiple, repeated addition, array, divide, division, share, share equally*	*part, equal parts, fraction, one whole, half, quarter, three quarters*	*clockwise, anti-clockwise, whole turn, half turn, quarter turn, three quarter turn, straight line, repeating pattern*	*shape, side, corner, face, edge, vertices, surface, point, flat, curved, straight, symmetry, triangle, square, rectangle, star, pentagon, hexagon, octagon, cube, cuboid, pyramid, sphere, cone, cylinder*	*size, compare, estimate, measure, metre, centimetre, kilogram, gram, litre, half litre, millilitre, length, height, weight, temperature, capacity, o'clock, half past, quarter past, quarter to*	*count, tally, block graph, pictogram, represent, table, same, different, most popular, least popular*
•*Count in steps of 2, 3 and 5 from 0.* •*Count in steps of 10 from any number forward & backward.* •*Recognise odd & even numbers*. •Recognise the place value of each digit in a 2 digit number (tens, ones) •Identify, represent and estimate numbers using different representations, including the number line. •Compare and order numbers from 0 up to 100. •Use < > and = signs	•*Apply increasing knowledge of mental methods (bridging 10, Add 9 Subtract 9) to solving word problems.* •*Recall & use addition & subtraction facts to 20 fluently.* •*Derive & use related addition & subtraction facts up to 100.* •*Mentally add & subtract numbers, including:* *a 2 digit number and 1's* *a 2 digit number and 10's* *2, 2 digit numbers adding 3, 1 digit numbers* •Solve problems with addition & subtraction using concrete objects	•*Recall & use multiplication & division facts for the 2, 5 and 10 multiplication tables .* •*Recognise odd & even numbers* •*Solve problems involving multiplication & division using mental methods* •Calculate mathematical statements for multiplication & division within the multiplication tables. •Write the statements using the multiplication (x) division (÷) and equals (=) signs •Show that multiplication can be	•Recognise, find, name and write fractions ½, 1/4, 2/4 & 3/4 of a shape, length set of objects or quantity. •Write simple fractions for example 1/2 of 6 = 3 & recognise the equivalence of 2/4 and 1/2	. •Order & arrange combinations of mathematical objects in patterns & sequences. •Use mathematical vocabulary to describe position, direction & movement including movement in a straight line. •Distinguish between rotation as a turn and in terms of right angles for quarter, half and three quarter turns (clockwise & anti- clockwise)	•Identify & describe the properties of 2D shapes including the number of sides & line symmetry in a vertical line. •Identify & describe the properties of 3D shapes including the number of edges, vertices & faces. •Identify 2D shapes on the surface of 3D shapes. •Compare & sort common 2D & 3D shapes & everyday objects.	•*Know the number of minutes in an hour and the number of hours in a day* - Choose and use appropriate standard units to estimate and measure length/height (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. •Compare and order lengths, mass, volume/capacity and record the results using >, < and =. •Recognise and use symbols for pounds (£) and pence (p);	•Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. • Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. •Ask and answer questions about totalling and comparing categorical data.

•Read & write numbers to at least 100 in numerals & in words. •Use place value & number facts to solve problems.	& pictorial representations. •Solve addition & subtraction word problems involving numbers, quantities and measures. •Add & subtract numbers, using concrete apparatus & pictorial representations including: a 2 digit number and 1's a 2 digit number and 10's 2, 2 digit numbers adding 3, 1 digit numbers •Show that addition of 2 numbers can be done in any order (commutative) and subtraction from 1 number from another cannot be done in any order. •Recognise & use the inverse relationship between addition & subtraction & use this to check calculations & solve missing number problems * + 5 = 12, 13 = 4 + * 14 - * = 5, * - 3 = 12 15 = * - 6 etc	done in any order (commutative) but explain that 2 x 5 (2 groups of 5) does not mean the same as 5 x 2 (5 groups of 2) even though the answer is the same. •Show that division of 1 number by another cannot be done in any order. •Solve problems involving multiplication & division using: Materials Arrays Repeated addition Mental methods Multiplication & division facts Including problems in contexts.				combine amounts to make a particular value. • Find different combinations of coins that equal the same amounts of money. • Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. • Compare and sequence intervals of time. • Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.	