Maths Medium Term

Year: 3   **Term: Summer**   **Teacher: Miss Davies**

Week	Topic	Objectives
Week 1	Number and place value to solve problems	• Recognise the place value of each digit in a two-digit number and a three-digit number (hundreds, tens and ones). • Partition numbers in different ways (for example, 45 = 20 + 25 and 45 = 30 + 13). • Compare and order numbers to 1000 using ‹, › and = signs. • Find 1, 10 or 100 more or less than a given number within 1000. • Use place value and number facts to solve problems.
Week 2	Addition	• Recall and use addition and subtraction facts to 20 with increasing fluency, including missing number problems. • Add numbers including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; using the expanded method (including crossing the tens boundary). • Begin to add numbers with three-digits using the expanded written method. • Use inverse to check the answers to calculations. • Solve problems with addition – link to real life situations.

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Week 3	Subtraction	- Recall and use addition and subtraction facts to 20 with increasing fluency, including missing number problems. - Subtract numbers including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers using the expanded written method. - Begin to subtract numbers with three-digits using the expanded written method. - Use inverse to check answers to calculations. - Solve problems with subtraction – link to real life situations.
Week 4	Money	- Recognise and use symbols £ for pounds and p for pence. - Recognise coinage 1p, 2p, 5p, 20p, 50p, £1 and £2. - Find combinations of coins to make a value within £1. - To be able to add money two amounts of money with up to 4 digits (including decimals with two decimal places. - To be able to subtract amounts of money with up to 4 digits (including decimals with two decimal places). - Use inverse to check answers to calculations. - Solve problems involving money.

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Week 5	Capacity	- Work practically with capacity /volume. - Understand how to use measuring jugs and containers to measure capacity / volume accurately. - Understand how to read simple scale on measuring jugs or containers. - Estimate and measure using standard units i.e. litre. - Compare and order capacity/volume recording the results using ‹ or › and =. - Add and subtract volume/capacity (l/ml). - Solve problems involving capacity.
Week 6	Multiplication	- Recall and use multiplication and division facts for the 2, 3, 4, 5, 8 and 10 multiplication tables. - To understand that multiplication is repeated addition. - To multiply two-digit numbers and ones using the informal written method. - To use the inverse the check answers. - To solve multiplication problems.
Week 7	Division	- Recall and use multiplication and division facts for the 2, 3, 4, 5, 8 and 10 multiplication tables. - To understand that division is repeated subtraction. - To be able to use times tables to solve division calculations. - Record division number sentences for 2x, 3x, 4x, 5x, 8x and 10x tables using ÷ and =.

		• To divide two-digit numbers and ones. • To use the inverse to check answers. • To solve division problems.
Week 8	Fractions	• *Understand and use the terms numerator and denominator.* • Count forwards and backwards in ½, and ¼ to 10. • Count forwards in 1/3. • Recognise the equivalence of ½ and 2/4. • Find a fraction of a length, shape, number or quantity. • Write fractions in number sentences e.g. $\frac{1}{2}$ of 6 = 3. • *Link fractions of amounts to division by sharing.* • Solve problems with fractions. •
Week 9	Shape	• Compare and sort common 2-D and 3-D shapes and everyday objects. (Year 2 objective). • Explore the reflectional symmetry of shapes. • Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and as turning. • Use the correct language of position and/or direction to give and follow instructions. • Describe rotation in terms of 1, 2 3 or 4 right angles leading to quarter, half, three quarter or complete turn.

		• Identify clock wise turns and anti-clock wise turns. • Identify whether angles are greater than or less than a right angle.
Week 10	Statistics	• Construct scaled (in steps of 2, 3, 4, 5 or 10) pictograms, bar charts and tables • 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 • Solve problems involving statistics
Week 11	Time	• Continue to use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight. • Compare and sequence times. • Tell the time –o'clock, half past, quarter to and quarter past • Begin to tell the time to five minutes –link to o'clock, half past, quarter to and quarter past. • Know the number of seconds in a minute (60) and the number of days in each month, year (365) and leap year (366). • Draw hands on a clock face to show given times. • Solve simple problems involving time.

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Week 12	Assess and Review	