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

Week	Topic	Objectives
Week 1	Time	• Estimate, read and write time from an analogue clock for o'clock, half past, quarter past and quarter to. • Use vocabulary such as o'clock, a.m. /p.m., morning, afternoon, noon and midnight. • Begin to know the number of minutes in an hour and the number of hours in a day. • To understand that there are 5 minute intervals between each number on an analogue clock.
Week 2	Number and Place Value	• Recognise the place value of three digit numbers up to 200. • Partition and re-partition 2 and 3 digit numbers up to 200. • Partition numbers in different ways (for example, 23 = 20 + 3 and 23 = 10 + 13) using manipulatives. • Continue to count in ones, tens and hundreds • Compare numbers from 0-200 –say which is more /less using < or > and explain reasoning • Solve problems involving place value and number facts • Round numbers to at least 500 to the nearest 10 or 100.
Week 3	Addition	• Ensure children think –can I do it in my head, with some jottings or by using a written method • Estimate answers to calculations • Recall addition facts for numbers 11-20 , including missing number problems • Add a two-digit number and ones number or a two-digit number and tens using concrete objects and pictorial representations (including crossing the tens boundary). • Solve missing number problems

		• Solve problems involving these ideas - use practical equipment to support
Week 4	Subtraction	• Ensure children think –can I do it in my head, with some jottings or by using a written method • Estimate answers to calculations • Recall subtraction facts for numbers 11-20 , including missing number problems • Subtract ones from a two-digit number or tens from a two-digit number using concrete objects and pictorial representations (including crossing the tens boundary) • Solve problems involving these ideas - use practical equipment to support • Use inverse to check the answers to addition and subtraction calculations
Week 5	Money	• Recognise coinage and bank notes • Ensure children think –can I do it in my head, with some jottings or by using a written method • Estimate answers to calculations • Add and subtract money to find totals and to give change up to £2. • Use £ or p • Solve problems, including missing number problems around money
Week 6	Mass	• Work practically with mass /weight • Understand how to use weighing scales to measure/weight accurately • Read and interpret the scale on a range of measuring equipment • Estimate and measure using standard units i.e. 100 g and 1 kg • Compare and order mass and record the results using >, < and =. • Solve problems involving weight/mass
Week 7	Multiplication	• Write and calculate number sentences for 2x, 5x, 10x, 4x and tables including division facts • Understand how multiplication statements can be represented using array • Estimate answers to calculations • Understand multiplication as repeated addition using manipulatives. • Calculate multiplication number sentences for 2x ,5x and 10x (using repeated addition) using

		• manipulatives • Record multiplication number sentences for 2x, 5x and 10x tables using x and = • Solve problems involving multiplication
Week 8	Division	• Recall multiplication and division facts for 2 x, 5x and 10 x tables • Understand division as sharing and grouping. • Calculate division number sentences for 2x ,5x and 10x (using repeated addition)using manipulatives • Record division number sentences for 2x and 10x tables using ÷ and =
Week 9	Fractions	• Begin to understand and use the terms numerator and denominator. • Count up and down in ½, ¼ and/or 1/3 to 10. • Recognise and practically find and name ½, ¼ and ¾ of a length, shape, number or quantity • Solve problems involving fractions •

Week 10	Shape	• Identify and describe the properties of 2-D shapes, including reflectional symmetry
		• Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and as turning.
		• Identify a right angle
		• Recognise angles as a description of a turn
		• Use correct vocabulary to describe rotation in terms of right angles
		  - 2 make a half turn,
		  - 3 a three quarter turn
		  - 4 a complete turn
		• Identify horizontal and vertical lines
		• Solve problems involving shape
		• Solve problems involving position or direction

		- Use inverse to check the answers to calculations - Solve missing number problems involving division-link to arrays and manipulatives - Solve problems involving division, using materials, arrays, repeated subtraction and sharing, mental methods, and multiplication and division facts, including problems in contexts.
Week 11	Time	- Continue to use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight - Compare and sequence times - 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