Oakfield Primary School - Maths – Spring Term

EYFS: Counting and estimating, explore and identify patterns, ,odd and even numbers, partition sets of ten objects, use the language 'add', 'more than', 'equals'. recognise units of time, recognise and identify common 3D shapes, explore and compare lengths, heights and weights, compare and order numbers, match a numeral with the same number of objects in a set. Estimate numbers of objects and images and begin to understand that teen numbers are ten plus some more, learn the value of coins, use the language of position and direction, partitioning numbers and finding pairs of numbers that total the number.					
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
.**Place value** Week 11 using a variety of images to embed an understanding of 2-digit numbers and place value, including finding 1 more / less. **Number facts** Week 12 embedding a reliable recall of number facts, then using these to solve simple word problems. **Addition and subtraction** Week 13 using known number facts to add and subtract using unit patterns and other strategies. **3D shapes; time** Week 14 naming and identifying 3D shapes and their properties, and then on rehearsing days of the week and months of the year. **Numbers and counting; fractions** Weeks 15 and 16 counting, extending this skill to include counting in 2s, 5s,	**Place value.** Week 11 understanding place value in numbers to 100 and beginning to use this to add and subtract 2-digit numbers. **Number facts; addition and subtraction.** Weeks 12 and 13 revising, then using, bonds to 10 in addition (counting on, bridging 10), and subtraction (finding a difference, extending to calculating change). **3D shapes; time.** Week 14 identifying 3D shapes and their properties, including naming 2D faces; and then on rehearsing telling the time on analogue and digital clocks. **Place value** Week 15 extending understanding of place value to include landmarked lines and estimation. **Fractions** Week 16 doubling and halving, including odd	**Place value** Week 11 embedding a thorough understanding of place value and properties of numbers. **Addition; times tables** Week 12 using partitioning in addition; and on the 2, 3, 4, 5, 8 and 10 times tables. **Fractions** Week 13 fractions as numbers, finding equivalent fractions, placing fractions on a line, and on fractions as operators, finding fractions of amounts. **Angles; 2D shapes** Week 14 angles, including right angles, measurement of turn, and the ° symbol; and on properties of 2D shapes and finding perimeters. **Addition and subtraction** Weeks 15, 16 and 17 the way a secure understanding of place value underpins rounding, mental addition and subtraction, and column methods of addition.	**Place value; addition and subtraction** Week 11 ensuring a robust understanding of place value and numbers to 10,000, including counting in equal steps; this understanding is then used to underpin mental addition and subtraction. **Subtraction; multiplication** Week 12 written calculation methods underpinned by a secure understanding of place value: vertical subtraction and multiplication methods, and multiplication problems involving money. **Division; fractions** Week 13 mental multiplication and division strategies, which underpin the work on proper fractions that follows, including finding non-unit fractions of amounts, equivalent fractions and simplifying. **2D shapes**	**Place value** Week 11 developing a robust understanding of place value in larger whole numbers and in decimals; this is used to enable children to round any number to the nearest required power of ten. **Addition and subtraction** Week 12 the rehearsal and development of mental calculation strategies for addition and subtraction. **Multiplication and division** Week 13 n the rehearsal and development of mental calculation strategies for multiplication and division, and on identifying patterns and rules. **2D shapes; measures** Week 14 exploring the properties of triangles, naming and identifying the different types; and then on SI units of measure, reading scales and conversion problems. **Addition and subtraction** Week 15 column addition of	**Place value** Week 12 a robust understanding of place value in large numbers, which underpins the subtraction work that follows. **Multiplication of decimals and fractions** Weeks 13 and 14 understanding decimal and proper fractions and their equivalences; calculations including multiplication of these numbers are rehearsed. **Multiplication of decimals and fractions** Weeks 13 and 14 understanding decimal and proper fractions and their equivalences; calculations including multiplication of these numbers are rehearsed. **2D shapes; angles** Week 15 2D shapes, particularly quadrilaterals, in relation to their diagonals and interior angles; circles are also taught, along with

10s and identifying patterns; counting is related to estimation and then to halves and quarters as equal parts of a whole. **Number facts** Week 17 number facts, including doubles and halves, and the use of these in additions and subtractions to 20. **Time** Week 18 units of time and telling the time to the nearest half hour, and on developing understanding of how long a minute, hour, day, week, etc. are. **Addition and subtraction** Week 19 addition and subtraction, specifically in relation to counting on and back, sometimes crossing 10. **Place value and money** Week 20 place value in 2-digit numbers and then in relation to money: £1s, 10s, 1ps; children find 1 / 10 more / less than any number.	numbers, leading to counting in halves and mixed numbers; unit and non-unit fractions are then modelled using a variety of images. **Multiplication and division** Week 17 clever counting' on the number line, and introduces the × sign for multiplication. **Time; data** Week 18 telling the time and further develops children's understanding of the units of time; time is then used as the context for data to be represented on pictograms and block graphs. **Multiplication and division** Week 19 'clever counting' using arrays as well as number lines; division is introduced as the inverse of multiplication. **Money and money calculations** Week 20 rehearsing coin and note values, and on writing amounts of money; money is then used as the context for adding and finding totals.	**Time** Week 18 time-telling on digital and analogue clocks, and the calculation of time intervals; these are used in solving word problems. **Place value; subtraction** Week 19 using number lines to facilitate an understanding of place value in 3-digit numbers, and as an efficient method of performing subtraction involving 3-digit numbers. **Multiplication and division** Week 20 developing multiplication strategies using doubling and halving and the grid method; division is related to multiplication and this relationship is used to solve missing number problems.	Week 14 properties of 2D shapes, including angles, parallel and perpendicular lines, and symmetry. **Mental calculation strategies** Week 15 the relationship between the operations, particularly multiplication and division, and then between addition and subtraction; these important inverse relationships are linked to mental calculation. **Place value** Week 16 ensuring a robust understanding of that place value in decimal numbers. **Addition and subtraction** Week 17 using understanding of place value to choose appropriate strategies when calculating with decimals or money; written methods then include larger whole numbers. **Time; length** Week 18 time-telling and the 24-hour clock, including calculating time intervals; the week ends with some practice in finding missing lengths in rectilinear shapes. **Subtraction** Week 19 using understanding of place value	decimal numbers, and on mental subtraction of decimal numbers. Multiplication and division Weeks 16 and 17 the development of written methods for multiplication and division; division is linked to finding fractions of large amounts. **Multiplication and division** Weeks 16 and 17 the development of written methods for multiplication and division; division is linked to finding fractions of large amounts. **2D shapes; angles; measures** Week 18 developing understanding of polygons and angles, particularly in relation to quadrilaterals; metric units are then revised and regularly used imperial units are taught. **Fractions** Week 19 revising proper fractions and equivalent fractions, and then moves on to mixed numbers and improper fractions; proper fractions are multiplied by whole numbers. **Addition and subtraction** Week 20 rehearsing column subtraction and extending to larger / more difficult numbers; column addition	relevant terminology. **Addition and subtraction** Week 16 mental and written addition and subtraction methods, including solving word problems. **Multiplication and division** Week 17 number patterns involving factors and multiples, and on long division. **Addition and subtraction** Week 18 solving addition and subtraction problems involving money and decimals. **Statistics and data** Week 19 data representation and manipulation, including line graphs, pie charts and the use and calculation of averages. **Coordinate geometry; angles** Week 20 position on a 4-quadrant coordinate grid, with polygons being plotted, translated and reflected; the week concludes with angle theorems.

			to solve subtraction problems using appropriate methods. **Multiplication and division** Week 20 developing a good understanding of the processes involved in more complex written algorithms for multiplication and division.	and subtraction are used to solve problems.	