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| ***Maths overview 20222023***  | Autumn 1  | Autumn 2  | Spring 1  | Spring 2  | Summer 1  | Summer 2  |
| Rec  | **Main focus**  | Comparing everyday objects using mathematical language.  Counting principles.   | Developing number sense for numbers 1 -10.  | Mentally recall all addition and subtraction facts within 6.  |
| **Concepts**  | Comparison language- Bigger, smaller, longer, shorter, more, less, fewer, equal, narrower, wider, heavy, light, tall.  Counting principles- Stable-order, 1:1 correspondence, cardinality, order irrelevance, abstract principle.  | Subitising - Comparing – Ordering Understanding linear representations - 1 more, 1 less - Writing numerals.  | Introduce commutative law for addition and subtraction.  |
|   | **Ongoing**  | Rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures.  |
| Year 1  | **Objectives**  | ***Recap key Rec objectives until mastery*** Number: Place value within 10, addition and subtraction within 10, positions, place value within 20, addition and subtraction within 20   | Shapes and patterns, length and height, numbers to 40, numbers to 100, multiplication, division.  | Fractions, time, money, volume and capacity, mass, space  |
| **Fluency**  | Counting to and across 100.  ***Recap addition and subtraction facts from 1-6*** ***Learn all addition and subtraction facts from 7-9***  | ***Learn all number bonds to 10*** ***Adding numbers to 10***  | ***Calculation facts from 11-18 (addition and subtraction facts taught together)*** ***Adding 1 and adding 2 to numbers 11-18*** ***Doubles 6-9*** ***Near doubles 5-9 (double then add 1).*** ***Near doubles 5-9 (double-then-add-2). Bridging through 10 to add to 9.*** ***Bridging through 10 to add to 8*** ***Subtracting 1-digit numbers from numbers 5-18.*** ***Adding any two 1-digit numbers and subtracting using the inverse of this***  | Fractions Measures Geometry- position and direction Geometry- properties of shape  |
| **Counting in 2s**  |
| **Counting in 10s**  | **Counting in 5s**  |
| Year 2  | **Objectives**  | ***Recap key yr 1 objectives until mastery*** Numbers to 100, addition and subtraction, multiplication and division  | Length, mass, temperature, picture graphs, money  | 2d shape, 3d shape, fractions, time, volume  |
| **Fluency**  | **2x**  | **5x**  | **5x, 10x**  | **2x, 5x, 10x**  | **3x**  | **4x**  |
| Consolidate fluency facts within 20 (throughout year)  |
| Year 3  | **Objectives**  | ***Recap key yr 2 objectives until mastery*** Numbers to 1000 Addition and subtraction Multiplication and division  | Length Mass Volume  | Money Time Picture graphs and bar graphs   | Fractions  | Angles Lines and shapes Perimeter of figures  |
| **Fluency**  | **2x, 4x**  | **4x, 8x**  | **2x, 4x, 8x**  | **3x, 6x**  | **3x, 6x, 9x**  | **11x 12x**  |
|   | Sums and differences of multiples of 10 e.g. 50 + 80, 120 – 90 Addition doubles for multiples of 10 to 100 e.g. 90 + 90 | Pairs of two-digit numbers with a total of 100 e.g. 32 + 68 or 32 + … = 100  Addition doubles of numbers 1 to 100, e.g. 38 + 38, and the corresponding halves  |
| Year 4  | **Objectives**  | ***Recap key yr 3 objectives until mastery*** Numbers to 10,000 Addition and subtraction within 10,000 Multiplication and division Graphs  | Fractions  | Time Decimals  | Money Mass, volume and length  | Area Geometry Position and movement Roman numerals  |
|  | **Fluency**  | **2x, 4x, 8x**  | **3x, 6x, 12x**  | **7x, 9x**  | **Gaps (AFL)**  | **Revision of all**  | **Revision MTC**  |
|   |  | Sums and differences of pairs of multiples of 10, 100 or 1000 | Pairs of two-digit numbers with totals less than/bigger than 100 | What must be added to any thr multiple of 100, | ee-digit number to make the next e.g. 521 + = 600  |
| Year 5  | **Objectives**  | ***Recap key yr 4 objectives until mastery*** Numbers to 1,000,000 Whole numbers- addition and subtraction Multiplication and division Word problems Graphs  | Fractions  | Decimals Percentages  | Geometry Position and movement Measurements  | Area and perimeter Volume Roman numerals  |
| **Fluency**  | **4x, 8x**  | **3x, 6x, 12x**  | **7x, 9x, 11x**  | **25x**  | **15x**  | **Revision of all**  |
|   | Sums and differences of decimals, e.g. 6.5 + 2.7, 7.8 – 1.3  | Doubles and halves of decimals, e.g. half of 5.6, double 3.4  | What must be added to any fo multipl | ur-digit number to make the next e of 1000,  |
|  |  |  |  | e.g. 408 |  + = 50007 |
| Year 6  | **Objectives**  | ***Recap key yr 5 objectives until mastery*** Numbers to 10 million Four operations Fractions Decimals Percentages  | Measurements Ratio Algebra  | Area and perimeter Volume Geometry  | SATs revision  | Position and movement Graphs and averages Negative numbers  |
| **Fluency**  | **2, 4x, 8x**   | **3x, 6x, 9x, 12x**  | **7x, 15x, 25x**  | **Finding 10%, 25% and 50% of numbers**   | **Basic FDPs equivalence**  | **Revision of all**  |
|   |  Addition and subtraction facts for multiples of 10 to 1000 and decimal numbers with one decimal place, e.g. 650 + • = 930, • – 1.4 = 2.5   | What must be added to a decimal with units, tenths and hundredths to make the next whole number, e.g. 7.26 + • = 8  |