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| **Benthal Year 3 Yearly Overview** | | | | | | | | | | | |
| **Autumn 1** | | **Autumn 2** | | **Spring 1** | | **Spring 2** | | **Summer 1** | | **Summer 2** | |
| **Wk 1**  Place value – read and write ( TS1) | * Read and write numbers up to 1000 in figures and words * Partition 3-digit numbers into H, T and U; * Know what each digit in a 3-digit number represents, including 0 as place holder | **Wk 1 -**  Mental Calculation ( TS7) | * Add a 1-digit number to a 2-digit number, bridging a multiple of 10 * Add a 1-digit number to a 3-digit number, bridging a multiple of 10 * Subtract a 1-digit number from a 2-digit number, crossing a multiple of 10 * Subtract a 1-digit number from a 3-digit number, not crossing a multiple of 10 | **Wk 1**  Place value – rounding ( TS11) | * Round numbers less than 100 to the nearest 10 * Say a number lying between two 3-digit numbers; * Say the number that is 1, 10 or 100 more or less than any 2- or 3-digit number * Order numbers up to at least 1000; | **Wk 1**  Data / bar charts (TS16) | * Organise and interpret numerical data in frequency tables * Organise and interpret numerical data in bar charts | **Wk 1**  Place value – rounding money ( TS21) | * Begin to round 3-digit numbers to the nearest 100 and 10 * Understand and use £.p notation – identify how many more to next £ * Solve ‘real-life’ problems involving money (comparing amounts) | **Wk 1**  Data/ Time ( TS26) | * Use units of time and know the relationship between them: years, * months, weeks, days, hours; Begin to use a calendar * Classify and sort data according to one or two criteria in Venn and * Carroll diagrams |
| **Wk 2**  Grouping/ mental add ( TS2) | * Count up to 100 objects by grouping in 5s or 10s * Estimate a number of objects up to 100 * Say the number that is 1, 10 or 100 more or less than a given number | **Wk 2**  Time – (TS8) | * Read the time to 5 minutes on analogue clocks * Read the time to 5 minutes on analogue and 12-hour digital clocks; * Solve problems involving time: say the number of minutes earlier or later than a given 5-minute time | **Wk 2**  ( TS12) | * Recognise multiples of 10, 100 and 50 * Recognise odd and even numbers up to at least 50 | **Wk 2**  Addition ( TS17/18) | * Add and subtract a multiple of 10 to and from a 2-digit number, crossing100 when adding * Add and subtract a multiple of 10 to and from a 3-digit number, * beginning to cross 100 * Add and subtract two 2-digit numbers, beginning to cross a multiple of 10 * Add and subtract a 2-digit number to and from a 3-digit number * Add and subtract 9,1 and 11 to and from a 2- or 3-digit number * Add and subtract 19 and 29 to and from a 2- or 3-digit number; | **Wk 2**  Addition ( TS22 and TS27 ) | * Begin to use column addition to add 2- and 3-digit numbers * Add near doubles mentally | **Wk 2**  Subtraction inc find difference by counting on | * Find a difference between two 2- or 3-digit numbers by counting on * Use column method to record subtractions for 2- and 3-digit numbers |
| **Wk 3**  Mental Addition ( TS3) | * Know by heart addition and subtraction facts for pairs of numbers that total up to 20; * Identify how many more to next 10 * pairs of multiples of 10 that total 100 * Add several numbers by finding pairs that total 10 * Recognise addition can be done in any order; | **Wk 3**  Multiplication and division ( TS9) | * Understand multiplication/division as repeated addition/subtraction * Understand division as the inverse of multiplication * Derive division facts corresponding to the 2 times table; * Know by heart the multiplication facts for the 2 times table * Solve missing number problems | **Wk 3**  Mental Addition ( TS13) | * Know by heart pairs of multiples of 100 that total 1000; * Derive all pairs of multiples of 5 that total 100 * Derive all number pairs that total 100; * Use pairs that total 100 to make the next multiple of 100 | **Wk 3**  Mental Subtraction ( TS17/18) | * subtract a multiple of 10 to and from a 2-digit number, crossing100 when adding * subtract a multiple of 10 to and from a 3-digit number beginning to cross 100 * subtract two 2-digit numbers, beginning to cross a multiple of 10 * subtract a 2-digit number to and from a 3-digit number | **Wk 3**  Odd and even ( TS23) | * Recognise odd and even numbers up to at least 100 * Know by heart the multiplication facts for the 4 times table; * Derive division facts corresponding to the 4 times table; | **Wk 3**  Division and multiplication | * Understand division as grouping; * Find remainders after simple division * Round up or down after division, depending on the context * Multiply by 10 and 100, shifting the digits 1 or 2 places to the left; * Use known facts to multiply a multiple of 10 by a 1-digit number |
| **Wk 4**  2d Shapes ( TS4) | * Classify and describe 2D shapes, including quadrilaterals * Sketch the reflection of a simple shape in a mirror line along one edge; * Identify and sketch lines of symmetry in simple shapes; * Recognise shapes with no lines of symmetry | **Wk 4**  Multiplication and division ( TS10) | * Recognise unit fractions * Find unit fractions of numbers; * Know by heart doubles of numbers up to 20 and the corresponding halves * recognise halving as the inverse of doubling; * Derive doubles of multiples of 5 up to 100 and the corresponding halves; * Derive doubles of multiples of 50 up to 500 and the corresponding halves | **Wk 4**  3D shapes ( TS14) | * Introduce, classify and describe prisms; * Relate prisms to pictures of them * Classify and describe common 3D shapes by properties: number of faces, edges, vertices; types of face | **Wk 4**  Multiplication – TS19 | * Know by heart the multiplication facts for the 5 and 10 times tables; * Derive division facts corresponding to the 5 and 10 times tables * Rehearse division as the inverse of multiplication; * Understand multiplication as describing an array * Solve empty box questions | **Wk 4**  Angles / compass directions ( TS24) | * Compare angles with a right angle; * Identify right angles in 2D shapes and the environment; * Recognise that a straight line is equivalent to two * right angles; * Make and describe right-angled turns * Recognise and use the four compass directions N, S, E, W; * Describe a route using distance and direction; * Make and describe right-angled turns between the four compass points | **Wk 4** | * Begin to recognise simple equivalent fractions; * Compare familiar fractions |
| **Wk 5**  Length ( TS5) | * Use a ruler to draw and measure lines to the nearest half centimetre; * Know the relationship between kilometres and metres, metres and Centimetres * Measure and compare lengths using standard units: metres, centimetres * Use decimal notation for metres and centimetres | Wk 5 |  | **Wk 5**  Measures - capacity ( TS15) | * Read a capacity scale to the nearest labelled and unlabelled division; * Measure and compare capacities using standard units: litres, millilitres; * Know the relationship between litres and millilitres | **Wk 5**  Fractions - (TS20) | * Know by heart the multiplication facts for the 3 times table; * Begin to know multiplication facts for the 6 times table and * corresponding division facts * Find non-unit fractions of shapes and numbers; * Recognise non-unit fractions | **Wk 5**  (Measures - massTS25) | * Locate position on a grid with the rows and columns labelled * Know the relationship between kilograms and grams * Measure and compare weights using standard units: kilograms, grams; * Read weighing scales to the nearest labelled and unlabelled division | **Wk 5** | * Rehearse £.p notation; * Find totals, give change and work out which coins to pay |
| **Wk 6**  Data – tally/pictog( TS6) | solve a given problem by organising and interpreting numerical data in simple lists, tally charts and frequency tables  Solve a given problem by organising and interpreting data in pictogram (symbol representing two units) | **Wk 6** |  | **Wk 6** |  | **Wk 6** |  | **Wk 6** |  | **Wk 6** |  |