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| **Name: Year group joined/date: SEND/EI PP: Yes/No** | | |
| **MATHS** | | |
|  | Year 3 Expected | Year 3 Greater Depth |
| Number | Read, write and compare and order numbers 0-1000 in numerals and words | **Read, write and compare and order numbers 0-1000 in numerals and words in context – dates; measures** |
| Find 10 or 100 more or less than a given number |  |
| Count in multiples of 3, 4, 8, 50 and 100 from zero forward and backwards | **Count at speed in multiples of 3, 4, 8, 50 and 100 from zero forward and backwards** |
| Recognise the value of any digit in 3 digit number |  |
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| Solve practical problems applying place value knowledge |  |
| Calculations | Check answers using inverse strategies. (15) | **Independently check answers using inverse strategies.** |
| Apply the column method using carrying and exchanging to complex problems. Apply this to 3 digit numbers. (16) | **Find missing numbers in addition and subtraction calculations using the column method, involving 3 digits.** |
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| Know by heart all number bonds that total 100 |  |
| Know by heart all doubles of multiples of 5 up to 100 and halves of multiples of 10 |  |
| Know by heart all sums and differences of multiples of 10 up to 100 |  |
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| Estimate answers to addition and subtraction problems using 3 digits. (15.1) | **Independently estimate answers to addition and subtraction problems using 3 digits (could be mentally).** |
| Know multiplication and division facts for 3, 4, 6 and x 8 and ÷ to record | **Reason about multiplication and division facts for 3, 4, 6 and x 8** |
| Begin to use formal written methods for 2digit X 1digit | **Confidently use formal written methods for 2digit X 1digit** |
| Solve multiplication problems, including missing number problems |  |
| Apply multiplication facts to multiples of 10. |  |
| Fractions | Recognise, find and write fractions of sets of objects  Show fractions using shapes |  |
| Count up and downs in tenths from any number |  |
| Solve fractional problems |  |
| Add and subtract fractions with the same denominator |  |
| Compare and order fractions with the same denominator |  |
| Know pairs of fractions which make 1 whole |  |
| Recognise ½ ¼ ¾ and 1 whole as a decimal. |  |
| Associate a fraction with division. | **Associate a fraction with division and use this to find fractions of amounts.** |
| Measurement | Measure, compare, add and subtract length, mass, capacity and volume. |  |
| Apply knowledge of money to word problems using the four rules |  |
| Know the number of g in kg, ml in l, mm in cm, cm in m and m in km | **Begin to convert measures of single units e.g. 2 kg = 2000g 100cm = 1m** |
| Tell all analogue times (both 12hr and 24hr)  including Roman Numerals | **Begin to convert between 12hr and 24 hr times** |
| Know the number of seconds in a minute, minutes in an hour and hours in a day |  |
| Know the number of days in a week, month and year, including leap years |  |
| Compare durations of events. Know seconds in a minute, days in a month, year and leap year |  |
| Measure perimeter of simple 2D shapes | **Reason about the perimeters of simple 2D shapes e.g. If a hexagon has sides of 3cm, whet is its perimeter?** |
| Geometry | Draw 2D shapes and make 3D shapes in different orientations. Recognise that angles can be properties of a shape | **Compare shapes, identifying similarities and differences, including angles.** |
| Identify right angles. Recognise 2 right angles are ½ turn and 3 right angles are ¾ turn. Identify greater/smaller then a right angle |  |
| Identify horizontal/vertical/ perpendicular/parallel lines |  |
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| Statistics | Interpret and present data into pictograms, bar charts and tables e.g. scale of 2, 5 or 10 |  |
| Solve one and two step problems based on charts |  |
| Posn and dirn | Be able to name a single point coordinate in a single quadrant |  |