MATHEMATICS Long Term Planning – Summary of YEAR 3 Units

| AUTUMN 1 | AUTUMN 2 |
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| - Recognise the place value of 3-digit numbers.<br>- Compare & order 3-digit numbers.<br>- Identify, estimate and represent numbers in different ways.<br>- Read and write numbers to 1000 in numerals and words.<br>- Round 3-digit numbers to the nearest 10 & 100.<br>- Draw and make 2d & 3d shapes.<br>- Add and subtract 3-digit numbers using number lines and expanded columnar methods.<br>- Recognise 3d shapes in different orientations.<br>- Interpret and present data using bar charts, tables and pictograms.<br>- Begin to recall the multiplication & division facts for the 3, 4 & 8 times tables. | - Solve number problems and practical problems using place value of 3-digit numbers.<br>- Recall multiplication and division facts for the 3, 4 & 8 times tables.<br>- Solve multiplication calculations using number lines and grid method.<br>- Solve division calculations using number lines for repeated addition and subtraction and progress to using the chunking method.<br>- Tell the time accurately on an analogue clock.<br>- Read and write time using Roman Numerals 1-12.<br>- Read time on both 12-hour and 24-hour clocks.<br>- Know time facts such as seconds in a minute, minutes in an hour, etc. |
| **SPRING 1** | **SPRING 2** |
| - Add and subtract 2-digit and 3-digit numbers using the formal compact column methods beginning to use decomposition for subtraction.<br>- Count up and down in tenths.<br>- Recognise and find fractions of numbers and show equivalent fractions using diagrams.<br>- Understand what a tenth is and link this to division by 10.<br>- Add and subtract money, give change using both £ and p.<br>- Compare different forms of measure and use simple scaling (e.g. twice as long, etc).<br>- Solve one or two-step problems relating to data presented in charts and tables.<br>- Present data in a range of forms using different scales. | - Multiply and divide using formal written methods. Short multiplication (TU x U) and short division (bus stop method), with or without remainders.<br>- Recognise fractions as parts of a whole, shape, numbers and link to division.<br>- Estimate and read time to the nearest minute. Compare lengths of time and link to time vocabulary.<br>- Continue to develop fluency of using money, notes and coins, apply addition and subtraction to work out change and totals.<br>- Identify right angles and understand how two right angles make a straight line.<br>- Identify whether angles are greater or less than a right angle. |
| **SUMMER 1** | **SUMMER 2** |
| - Add and subtract 2-digit and 3-digit numbers using the formal compact column methods beginning to use decomposition for subtraction, using the inverse operations to check.<br>- Solve addition and subtraction word problems.<br>- Select and use the appropriate tools to accurately measure length, mass and capacity.<br>- Compare measures and use simple equivalence (e.g. 1m = 100 cm, etc.).<br>- Identify horizontal and vertical lines.<br>- Identify and draw lines that perpendicular and parallel.<br>- Describe properties of 2d shapes using lines, angles and lines of symmetry.<br>- Describe properties of 3d shapes. | - Solve problems linked to multiplication and division, including scaling and<br>- Solve problems linked to all four operations.<br>- Add and subtract fractions with the same denominator.<br>- Compare and order fractions with the same denominators.<br>- Solve problems including fractions taught. |