Time Zone Maths Long Term Plan 2022-23

|  | Week 1 Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 14 |
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| Autumn <br> Year 5 | Place Value <br> Read, write, order and compare numbers to 10,000, 100,000, 1,000,000. Powers of 10. 10/100/1,000/10,000/100,000 more or less. Partition numbers to $1,000,000$. Round to the nearest 10, 100, 1,000. Round within 100,000. Round within 1,000,000. Negative numbers. Roman numerals to 1,000. |  | Addi <br> Mental strat whole numbers than four dig addition). numbers w four digits subtraction) operations. addition and problems. calculation numbers. | on and action <br> gies. Add with more <br> s (column <br> tract whole <br> more than <br> lumn <br> Round to <br> Use inverse <br> ulti-step <br> btraction <br> pare <br> ind missing | Multiplication and Division <br> Multiples. Common multiples. Factors. Common factors. Prime, square and cube numbers. Multiply by $10,100,1,000$. Divide by $10,100,1,000$. Multiples of $10,100,1,000$. <br> Multiply 4 digit numbers by 1 digit numbers (short multiplication). Multiply 2 numbers (grid method). Multiply 2, 3, 4 digit numbers by 2 digit numbers (long multiplication). <br> Divide 4 digit numbers by 1 digit numbers (short division). Divide with remainders. |  |  |  | Fractions <br> Find fractions equivalent to a unit fraction. Find fractions equivalent to a non-unit fraction. Recognise equivalent fractions. Convert improper fractions to mixed numbers. Convert mixed numbers to improper fractions. Compare and order fractions less than 1. Compare and order fractions greater than 1. Add and subtract fractions with the same denominator. Add fractions with different denominators within 1 and with a total of more than 1. Add fractions to a mixed number. Add two mixed numbers. Subtract fractions with different denominators. Subtract from a mixed number. Subtract from a mixed number, breaking the whole. Subtract two mixed numbers. |  |  |  | Assessment |
| Autumn Year 6 | Place Value <br> Read, write, order and compare numbers to 1.000.000, <br> $10,000,000$. Powers of 10. <br> Round any integer. Negative numbers. Roman numerals. | Four Operations: Addition, Subtraction, Multiplication, <br> Division <br> Add and subtract integers (column addition and subtraction). Solve problems with addition and subtraction. <br> Common factors. Common multiples. Rules of divisibility. Primes to 100, Square and cube numbers. <br> Multiply 4 or more digit numbers by 2 digit numbers (long multiplication). Solve problems with multiplication. <br> Short division. Division using factors. Long division. Long division with remainders. Solve problems with division. <br> Solve multi-step problems. Order of operations. Mental calculations and estimation. Reason from known facts. |  |  |  |  |  | Fractions <br> Equivalent fractions and simplifying. Compare and order using denominator/numerator. Add and subtract fractions with different denominators. Add and subtract mixed numbers. Solve multi-step problems. Multiply fractions by integers. Multiply fractions by fractions. Divide fractions by integers. Mixed problem solving. Finding a fraction of an amount. Finding a fraction of an amount, finding the whole. |  |  |  |  | Assess- <br> ment |
| Spring <br> Year 5 | Fractions <br> Multiply fractions by integers. Multiply non-unit fractions by integers. Multiply mixed numbers by integers. Finding a fraction of an amount. Using fractions as operators. Fraction problems solving. | Fractions, Decimals and Percentages <br> Decimals to 2 decimal places. Understanding thousandths. Thousandths as decimals. Ordering and comparing decimals. Rounding decimals. Adding and subtracting decimals within 1. Complements to 1. Adding and subtracting decimals greater than 1. Adding and subtracting decimals with the same and different numbers of decimal places. Multiplying and dividing decimals by 10 , 100, 1,000. Decimals problem solving. Decimals as fractions. Understanding percentages. Percentages as decimals and fractions. Equivalent fractions, decimals and percentages. |  |  | Measur <br> Convertin <br> Kilograms and <br> Milligrams and <br> millimetres. <br> Imperial units. <br> Converting un <br> Solving proble <br> timetables. | ment: <br> Units <br> kilometres. <br> tric units. <br> s of time. s with | Measu <br> Areas of r <br> Areas of $c$ <br> shapes. A <br> irregular s <br> Investigate <br> Compare <br> Estimate | ment: <br> ter, <br> ne <br> eter. <br> neter. <br> angles. <br> ound <br> of <br> es. <br> lume. <br> e. <br> e. <br> city. | Geometry: <br> Position and <br> Direction <br> Position in the <br> first quadrant. <br> Translation. <br> Translation <br> with <br> coordinates. <br> Reflection. <br> Reflection with <br> coordinates. | Geometry: <br> Properties <br> of Shapes <br> Measuring <br> angles in <br> degrees. <br> Measuring with <br> a protractor. <br> Drawing lines <br> and angels <br> accurately. |  |  |  |



