# Year 4– Yearly Overview - Spring

| | Week 1 - 3<br>BLOCK 1 | Week 4 - 5<br>BLOCK 2 | Week 6 - 9<br>BLOCK 3 | Week 10 - 12<br>BLOCK 4 |
|---|---|---|---|---|
| | **Number – Multiplication & Division B** | **Measurement<br>Length & Perimeter** | **Number - Fractions** | **Number – Decimals A** |
| White Rose Maths - small steps | • Factor pairs<br>• Use factor pairs<br>• Multiply by 10<br>• Multiply by 100<br>• Divide by 10<br>• Divide by 100<br>• Related facts – multiplication and division<br>• Informal written methods for multiplication<br>• Multiply a 2-digit number by a 1-digit number<br>• Multiply a 3-digit number by a 1-digit number<br>• Divide a 2-digit number by a 1-digit number (1)<br>• Divide a 2-digit number by a 1-digit number (2)<br>•Divide a 3-digit number by a 1-digit number<br>• Correspondence problems<br>•Efficient multiplication | • Measure in kilometres and metres<br>• Equivalent lengths (kilometres and metres)<br>• Perimeter on a grid<br>• Perimeter of a rectangle<br>• Perimeter of rectilinear shapes<br>• Find missing lengths in rectilinear shapes<br>• Calculate perimeter of rectilinear shapes<br>• Perimeter of regular polygons<br>• Perimeter of polygons | • Understand the whole<br>• Count beyond 1<br>• Partition a mixed number<br>• Number lines with mixed numbers<br>• Compare and order mixed numbers<br>•Understand improper fractions<br>• Convert mixed numbers to improper fractions<br>• Convert improper fractions to mixed numbers<br>• Equivalent fractions on a number line<br>• Equivalent fraction families<br>• Add two or more fractions<br>• Add fractions and mixed numbers<br>• Subtract two fractions<br>• Subtract from whole amounts<br>• Subtract from mixed numbers | •Tenths as fractions<br>• Tenths as decimals<br>• Tenths on a place value chart<br>• Tenths on a number line<br>• Divide a 1-digit number by 10<br>• Divide a 2-digit number by 10<br>• Hundredths as fractions<br>• Hundredths as decimals<br>• Hundredths on a place value chart<br>• Divide a 1- or 2-digit number by 100 |
| National Curriculum Link | • Recognise and use factor pairs and commutativity in mental calculations<br>• Recall multiplication and division facts for multiplication tables up to 12 × 12<br>• Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 (Y5)<br>• Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects<br>• Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout<br>• Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers | • Convert between different units of measure [for example, kilometre to metre; hour to minute]<br>• Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres<br>• Perimeter of regular polygons<br>• Perimeter of polygons (These small steps are not taken from the Year 4 National Curriculum. They are included to take into account the non-statutory DfE Ready to Progress guidance.) | • Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (Y3)<br>• Count beyond 1<br>• Partition a mixed number<br>• Number lines with mixed numbers<br>• Compare and order mixed numbers<br>• Understand improper fractions<br>• Convert mixed numbers to improper fractions<br>• Convert improper fractions to mixed numbers<br>( These small steps are not taken from the Year 4 National Curriculum. They are included to take into account the non-statutory DfE Ready to Progress guidance.)<br>• Recognise and show, using diagrams, families of common equivalent fractions<br>• Add and subtract fractions with the same denominator | • Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10 (Y3)<br>• Recognise and write decimal equivalents of any number of tenths or hundredths<br>• Compare numbers with the same number of decimal places up to 2 decimal places<br>• Find the effect of dividing a 1- or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths<br>• Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10<br>• Recognise and show, using diagrams, families of common equivalent fractions |