Flax Bourton Church of England Primary School



**“Aiming High, Respecting Others, Having Fun”**

**Maths Medium Term Plan Year 4**

|  | **Week 1** | **Week 2** | | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Autumn** | **Number and Place Value**   * Represent numbers to 1,000 * Partition numbers to 1,000 * Number line to 1,000 * Thousands * Represent numbers to 10,000 * Partition numbers to 10,000 * Flexible partitioning of numbers to 10,000 * Find 1, 10, 100, 1,000 more or less * Number line to 10,000 * Estimate on a number line to 10,000 * Compare numbers to 10,000 * Order numbers to 10,000 * Roman numerals * Round to the nearest 10 * Round to the nearest 100 * Round to the nearest 1,000 * Round to the nearest 10, 100 or 1,000 | | | | | **Addition and Subtraction**   * Add and subtract 1s, 10s, 100s and 1,000s * Add up to two 4-digit numbers – no exchange * Add two 4-digit numbers – one exchange Add two 4-digit numbers – more than one exchange * Subtract two 4-digit numbers – no exchange * Subtract two 4-digit numbers – one exchange * Subtract two 4-digit numbers – more than one exchange * Efficient subtraction * Estimate answers * Checking strategies | | | **Measurement: Area**  What is area? Count squares Step Make shapes Compare areas | **Number: Multiplication and Division A**   * Multiples of 3 * Multiply and divide by 6 * 6 times-table and division facts Multiply and divide by 9 * 9 times-table and division facts * The 3, 6 and 9 times-tables * Multiply and divide by 7 * 7 times-table and division facts * 11 times-table and division facts * 12 times-table and division facts Multiply by 1 and 0 * Divide a number by 1 and itself * Multiply three numbers | | | **Consolidation** |
| **Spring** | **Number: Multiplication and Division**  ♣recall multiplication and division facts for multiplication tables up to 12 × 12  ♣ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers  ♣ recognise and use factor pairs and commutativity in mental calculations  ♣ multiply two-digit and three-digit numbers by a one-digit number using formal written layout  ♣ solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects | | | | **Measurement: Length and Perimeter**  ♣Convert between different units of measure [for example, kilometre to metre; hour to minute]  ♣ measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres | **Number: Fractions**  ♣recognise and show, using diagrams, families of common equivalent fractions  ♣ count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten  ♣ solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number  ♣ add and subtract fractions with the same denominator | | | | **Number: Decimals A**  ♣recognise and write decimal equivalents of any number of tenths or hundredths  ♣ find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths  ♣ solve simple measure and money problems involving fractions and decimals to two decimal places.  ♣Convert between different units of measure e.g. metres to kilometres | | | |
| **Summer** | **Number: Decimals B**  ♣compare numbers with the same number of decimal places up to two decimal places  ♣round decimals with one decimal place to the nearest whole number  ♣ recognise and write decimal equivalents to ¼, ½, ¾  ♣ find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths | | **Measurement: Money**  ♣ estimate, compare and calculate different measures, including money in pounds and pence  ♣ solve simple measure and money problems involving fractions and decimals to two decimal places | | | **Measurement: Time**  ♣ read, write and convert time between analogue and digital 12- and 24-hour clocks  ♣ solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days | | **Statistics**  ♣ interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs  ♣ solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs | **Geometry: Properties of Shape**  ♣compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes  ♣ identify acute and obtuse angles and compare and order angles up to two right angles by size  ♣ identify lines of symmetry in 2-D shapes presented in different orientations  ♣ complete a simple symmetric figure with respect to a specific line of symmetry | | | **Geometry: Position and Direction**  ♣describe positions on a 2-D grid as coordinates in the first quadrant  ♣ describe movements between positions as translations of a given unit to the left/right and up/down  **♣ plot specified points and draw sides to complete a given polygon – NOT IN WRMH** | **Consolidation** |