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** |
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| **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** |