

## Owl 2023-2024

## Autumn

|  | National Curriculum Objectives | Small Steps |
| :---: | :---: | :---: |
| Number: Place <br> Value (within <br> 10) <br> 5 weeks | - Count to ten, forwards and backwards, beginning with 0 or 1, or from any given number. <br> - Count, read and write numbers to 10 in numerals and words. <br> - Given a number, identify one more or one less. <br> - Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. | - Sort objects <br> - Count objects <br> - Count objects from a larger group <br> - Represent objects <br> - Recognise numbers as words <br> - Count on from any number <br> - 1 more <br> - Count backwards within 10 <br> - 1 less <br> - Compare groups by matching <br> - Fewer, more, same <br> - Less than, greater than, equal to <br> - Compare numbers |


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| Number: Place Value <br> 4 weeks | - Read and write numbers to at least 100 in numerals and in words. <br> - Recognise the place value of each digit in a two digit number (tens, ones) <br> - Identify, represent and estimate numbers using different representations including the number line. <br> - Compare and order numbers from 0 up to 100; use <, > and = signs. <br> - Use place value and number facts to solve | - Number to 20 <br> - Count objects to 100 by making 10s <br> - Recognise tens and ones <br> - Use a place value chart <br> - Partition numbers to 100 <br> - Write numbers to 100 in words <br> - Flexibly partition numbers to 100 <br> - Write numbers to 100 in expanded form <br> - 10 s on the number line to 100 <br> - 10 s and 1 s on the number line to 100 <br> - Estimate numbers on a number line |


|  |  | $\bullet$ | Order objects and <br> numbers |
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|  |  | $\bullet$ | The number line |


|  | problems. <br> - Count in steps of 2,3 and 5 from 0 , and in tens from any number, forward and backward. | - Compare objects <br> - Compare numbers <br> - Order objects and numbers <br> - Count in $2 \mathrm{~s}, 5 \mathrm{~s}$ and 10 s <br> - Count in 3 s |
| :---: | :---: | :---: |
| Number: <br> Addition and Subtraction <br> 5 weeks | - Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. <br> - Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. <br> - Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. <br> - Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, | - Bonds to 10 <br> - Fact families - addition and subtraction bonds within 20 <br> - Related facts <br> - Bonds to 100 (tens) <br> - Add and subtract 1 s <br> - Add by making 10 <br> - Add three 1-digit numbers <br> - Add to the next 10 <br> - Add across a 10 <br> - Subtract across 10 <br> - Subtract from a 10 <br> - Subtract a 1-digit number from a 2-digit number (across a 10) <br> - 10 more, 10 less <br> - Add and subtract 10 s <br> - Add two 2-digit numbers (not across a ten) <br> - Add two 2-digit numbers (across a ten) <br> - Subtract two 2-digit numbers (not across a ten) <br> - Subtract two 2-digit numbers (across a ten) <br> - Mixed addition and subtraction |


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|  | quantities and measures; applying their increasing knowledge of mental and written methods. <br> - Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. | - Compare number sentences <br> - Missing number problems |
| :---: | :---: | :---: |
| Geometry: <br> Properties of Shape <br> 3 weeks | - Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. <br> - Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. <br> - Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.] <br> - Compare and sort common 2-D and 3-D shapes and everyday objects. | - Recognise 2-D and 3-D shapes <br> - Count sides on 2-D shapes <br> - Count vertices on 2-D shapes <br> - Draw 2-D shapes <br> - Lines of symmetry on shapes <br> - Use lines of symmetry to complete shapes <br> - Sort 2-D shapes <br> - Count faces on 3-D shapes <br> - Count edges on 3-D shapes <br> - Count vertices on 3-D shapes <br> - Sort 3-D shapes <br> - Make patterns with 2-D and 3-D shapes |


|  | National Curriculum Objectives | Small Steps |  | National Curriculum Objectives | Small Steps |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number: Place Value (within 20) <br> 3 weeks | - Count to twenty, forwards and backwards, beginning with 0 or 1 , from any given number. <br> - Count, read and write numbers to 20 in numerals and words. <br> - Given a number, identify one more or one less. <br> - Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. | - Count within 20 <br> - Understand 10 <br> - Understand 11, 12 and 13 <br> - Understand 14, 15 and 16 <br> - Understand 17, 18 and 19 <br> - Understand 20 <br> - 1 more and 1 less <br> - The number line to 20 <br> - Use a number line to 20 <br> - Estimate on a number line to 20 <br> - Compare numbers to 20 <br> - Order numbers to 20 | Measurement: Money <br> 2 weeks | - Recognise and use symbols for pounds ( $£$ ) and pence (p); combine amounts to make a particular value. <br> - Find different combinations of coins that equal the same amounts of money. <br> - Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. | - Count money - pence <br> - Count money - pounds (notes and coins) <br> - Count money - pounds and pence <br> - Choose notes and coins <br> - Make the same amount <br> - Compare amounts of money <br> - Calculate with money <br> - Make a pound <br> - Find change <br> - Two-step problems |
| Number: <br> Addition and Subtraction (within 20) <br> 3 weeks | - Represent and use number bonds and related subtraction facts within 20 <br> - Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. <br> - Add and subtract onedigit and two-digit numbers to 20, including zero. | - Add by counting on within 20 <br> - Add ones using number bonds <br> - Find and make number bonds to 20 <br> - Doubles <br> - Near doubles <br> - Subtract ones using number bonds <br> - Subtraction - counting back <br> - Subtraction - finding | Number: Multiplication and Division 5 weeks | - Recall and use multiplication and division facts for the 2,5 and 10 times tables, including recognising odd and even numbers. <br> - Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), | - Recognise equal groups <br> - Make equal groups <br> - Add equal groups <br> - Introduce the multiplication symbol <br> - Multiplication sentences <br> - Use arrays <br> - Make equal groups grouping <br> - Make equal groups sharing <br> - The 2 times-table <br> - Divide by 2 |


|  | - Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7= $\square$ 9 | the difference <br> - Related Facts <br> - Missing number problems |
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| Number: Place Value (within 50) <br> 2 weeks | - Count to 50 forwards and backwards, beginning with 0 or 1 , or from any number. <br> - Count, read and write numbers to 50 in numerals. <br> - Given a number, identify one more or one less. <br> - Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. <br> - Count in multiples of twos, fives and tens. | - Count from 20 to 50 <br> - 20, 30, 40,50 <br> - Count by making groups of tens <br> - Groups of tens and ones <br> - Partition into tens and ones <br> - The number line to 50 <br> - Estimate on a number line to 50 <br> - 1 more, 1 less |
| Measurement: <br> Length and Height <br> 2 weeks | - Measure and begin to record lengths and heights. <br> - Compare, describe and solve practical problems for: lengths and heights (for example, | - Compare lengths and heights <br> - Measure length using objects <br> - Measure length in centimetres |


|  | division $(\div)$ and equals (=) sign. <br> - Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts. <br> - Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. | - Doubling and halving <br> - Odd \& even numbers <br> - The 10 times-table <br> - Divide by 10 <br> - The 5 times-table <br> - Divide by 5 <br> - The 5 and 10 timestables |
| :---: | :---: | :---: |
| Measurement: <br> Length and Height <br> 2 weeks | - Choose and use appropriate standard units to estimate and measure length/height in any direction ( $\mathrm{m} / \mathrm{cm}$ ); mass (kg/g); temperature $\left({ }^{\circ} \mathrm{C}\right)$; | - Measure in centimetres <br> - Measure in metres <br> - Compare lengths and heights <br> - Order lengths and heights <br> - Four operations with |


|  | long/short, longer/shorter, tall/short, double/half) |  |
| :---: | :---: | :---: |
| Measurement: <br> Mass and Volume <br> 2 weeks | - Measure and begin to record mass/weight, capacity and volume. <br> - Compare, describe and solve practical problems for mass/weight: [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] | - Heavier and lighter <br> - Measure mass <br> - Compare mass <br> - Full and empty <br> - Compare volume <br> - Measure capacity <br> - Compare capacity |


|  | capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels <br> - Compare and order lengths, mass, volume/capacity and record the results using $>$, < and = | lengths and heights |
| :---: | :---: | :---: |
| Measurement: <br> Mass, Capacity and Temperature 3 weeks | - Choose and use appropriate standard units to estimate and measure length/height in any direction ( $\mathrm{m} / \mathrm{cm}$ ); mass (kg/g); temperature ( ${ }^{\circ} \mathrm{C}$ ); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/capacity and record the results using $>$, < and = | - Compare mass <br> - Measure in grams <br> - Measure in kilograms <br> - Four operations with mass <br> - Compare volume and capacity <br> - Measure in millilitres <br> - Measure in litres <br> - Four operations with volume and capacity <br> - Temperature |

## Summer

|  | National Curriculum Objectives | Small Steps |
| :---: | :---: | :---: |
| Number: Multiplication and Division <br> 3 weeks | - Count in multiples of twos, fives and tens. <br> - Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. | - Count in 2 s <br> - Count in 10 s <br> - Count in 5 s <br> - Recognise equal groups <br> - Add equal groups <br> - Make arrays <br> - Make doubles <br> - Make equal groups grouping <br> - Make equal groups sharing |
| Number: Fractions <br> 2 weeks | - Recognise, find and name a half as one of two equal parts of an object, shape or quantity. <br> - Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. | - Recognise a half of an object or shape <br> - Find a half of an object or shape <br> - Recognise a half of a quantity <br> - Find a half of a quantity <br> - Recognise a quarter of an object or shape <br> - Find a quarter of an object or shape <br> - Recognise a quarter of a |


|  | National Curriculum Objectives | Small Steps |
| :---: | :---: | :---: |
| Number: <br> Fractions <br> 3 weeks | - Recognise, find, name and write fractions $1 / 3$, $1 / 4,2 / 4$ and $3 / 4$ of a length, shape, set of objects or quantity. <br> - Write simple fractions for example, $1 / 2$ of $6=3$ and recognise the equivalence of $2 / 4$ and 1/2. | - Introduction to parts and wholes <br> - Equal and unequal parts <br> - Recognise a half <br> - Find a half <br> - Recognise a quarter <br> - Find a quarter <br> - Recognise a third <br> - Find a third <br> - Find the whole <br> - Unit fractions <br> - Non-unit fractions <br> - Recognise the equivalence of a half and two quarters <br> - Recognise threequarters <br> - Find three-quarters <br> - Count in fractions up to a whole |
| Measurement: <br> Time <br> 3 weeks | - Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. <br> - Know the number of minutes in an hour and the number of hours in a day. <br> - Compare and sequence | - O'clock and half past <br> - Quarter past and quarter to <br> - Tell time past the hour <br> - Tell time to the hour <br> - Tell the time to 5 minutes <br> - Minutes in an hour <br> - Hours in a day |


|  |  | quantity <br> - Find a quarter of a quantity |
| :---: | :---: | :---: |
| Geometry: Position and Direction <br> 1 week | - Describe position, direction and movement, including whole, half, quarter and three quarter turns | - Describe turns <br> - Describe position - left and right <br> - Describe position forwards and backwards <br> - Describe position above and below <br> - Ordinal numbers |
| Number: Place Value (within 100) <br> 2 weeks | - Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. <br> - Count, read and write numbers to 100 in numerals. <br> - Given a number, identify one more and one less. <br> - Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least | - Count from 50 to 100 <br> - Tens to 100 <br> - Partition into tens and ones <br> - The number line to 100 <br> - 1 more, 1 less <br> - Compare numbers with the same number of tens <br> - Compare any two numbers |
| Measurement: Money <br> 1 week | - Recognise and know the value of different denominations of coins and notes. | - Unitising <br> - Recognise coins <br> - Recognise notes <br> - Count in coins |
| Measurement: <br> Time | - Sequence events in chronological order | - Before and after <br> - Days of the week |



| 2 weeks | using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening. <br> - Recognise and use language relating to dates, including days of the week, weeks, months and years. <br> - Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. <br> - Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later] <br> - Measure and begin to record time (hours, minutes, seconds) | - Months of the year <br> - Hours, minutes and seconds <br> - Tell the time to the hour <br> - Tell the time to the half hour |
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| Consolidation <br> 1 week |  |  |


|  | between rotation as a <br> turn and in terms of <br> right angles for quarter, <br> half and three-quarter <br> turns (clockwise and <br> anti-clockwise). <br> Order and arrange <br> combinations of <br> mathematical objects in <br> patterns and sequences | turns |
| :--- | :--- | :--- |
| Consolidation |  |  |
| $\mathbf{2 ~ w e e k s ~}$ |  |  |

