



## Autumn

### Place Value:

- Count (forwards and backwards), estimate, read, write and represent numbers within 20
- Place value within 20 (10s and 1s)
- Compare and order numbers to 20
- Identifying a number 1 more, 1 less and between
- Read and write numbers from 1 – 20 in numerals and words.

### Addition & Subtraction:

- Identify a number 1 more and 1 less
- Number bonds and addition/subtraction facts to 10
- Introduce addition, subtraction and equals signs and how to read and write mathematical statements.
- Count on and back in steps of 1, 2 and 3

### Measurement:

- Compare, describe, measure and begin to record lengths and heights using the correct mathematical vocabulary (long/short, longer/shorter, tall/short, double/half) and appropriate measuring tools (ruler).
- Compare, describe, measure and begin to record time using the correct mathematical vocabulary (quicker, slower, earlier, later) and sequence events in chronological order using the correct mathematical vocabulary (before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening).

### Geometry - Properties of 2D Shapes:

- Recognise and name
- Sort according to their properties (basic symmetry, sides, corners, straight, curved)
- Relate to everyday objects
- Repeating Patterns

### Multiplication & Division:

- Counting in 2s
- Doubles 1 – 6
- Relate counting in 2s to doubling

### Place Value:

- Count (forwards and backwards), estimate, read, write and represent numbers within 50 including numberlines, 100 grids and bead strings
- Place value within 50 (10s and 1s)
- Compare and order numbers to 50
- Identify a number 2 more and 2 less



- Read and write numbers from 1 – 50 in numerals and words.
- Count in multiples of 2s, 5s and 10s
- Understand and use ordinal numbers

## Spring

### **Addition & Subtraction:**

- Identify a number 2 more and 2 less using numberlines, 100 grids and bead strings
- Number bonds and addition/subtraction facts to 20
- Add by counting on from the larger number
- Count on 1 digit numbers from a 2 digit number (not bridging 10 initially, then bridging 10) within 50
- Subtract a 1 digit number from a 2 digit number by counting back within 50 (not bridging 10 initially, then bridging 10)
- Use number facts to solve problems including those involving money
- Introduce children to a range of mathematical terminology for addition and subtraction (put together, add, altogether, total, take away, distance between, difference between, more than and less than, sum)

### **Measure:**

- Compare, describe, measure and begin to record mass/weight using the correct mathematical vocabulary (heavy/light, heavier than, lighter than) and appropriate measuring tools (weighing scales).
- Time - recognise and use language relating to dates, including days of the week, weeks, months and years.

### **Geometry - Properties of 3D Shapes:**

- Recognise and name
- Sort according to their properties (faces– using 2D shape names, edges, corners, flat, curved)
- Relate to everyday objects

### **Multiplication & Division:**

- Recognise odd and even numbers
- Doubles 1 – 10
- Counting in 2s, 5s and 10s ( including using arrays)

### **Fractions:**

- Introduce recognising, finding and naming a half, quarter and three quarters of shapes.
- Know that two halves and four quarters are a whole and two quarters are a half.



## Summer

### Place Value:

- Count (forwards and backwards), estimate, read, write and represent numbers within 50 including numberlines, 100 grids and bead strings
- Place value within 100
- Compare and order numbers to 100 and introduce inequality signs
- Identify a number 10 more and 10 less
- Place value within 100 using partitioning (100s, 10s and 1s)
- Use and understand the mathematical terms: equal to, more than, less than (fewer), most, least,

### Addition & Subtraction:

- Identify a number 10 more and 10 less using numberlines, 100 grids and bead strings and record as a calculation.
- Consolidate number bonds and addition/subtraction facts to 20 and
- Consolidate adding/subtracting 1 digit numbers from 2 digit numbers within 100
- Add three small numbers
- Use number facts to solve problems including those involving money and finding change and missing number problems.

### Measure:

- Compare, describe, measure and begin to record capacity/volume using the correct mathematical vocabulary for example full/empty, more than, less than, half, half full, quarter and appropriate measuring tools (containers).
- Time - tell the time to the hour and half past the hour and draw the hands on a clock face to show these times
- Money - recognise and know the value of different denominations of coins and notes.
- Solve practical measure problems.

### Geometry:

#### Position and Direction:

- Describe position, direction and movement using the appropriate vocabulary.
- Understand rotation as a turn (whole, half, quarter and three quarter) and connect turning clockwise with movement on a clock.

### Multiplication & Division:

- Consolidate:
  - Recognising odd and even numbers
  - Doubles 1 – 10
  - Counting in 2s, 5s and 10s by counting in groups/sets
- Introduce halves of numbers to 20



- Relate counting in 2s to doubling and halving
- Solve one step problems involving multiplication and division.

## **Fractions:**

- Consolidate recognising, finding and naming a half, quarter and three quarters of shapes.
- Introduce recognising, finding and naming a half and a quarter of a number up to 20.
- Know that two halves and four quarters are a whole and two quarters are a half in numeral notation –  $2/2 = 1$ ,  $4/4=1$ ,  $2/4=1/2$ .