

Maths Spiral Curriculum

Purple

- **Autumn 1** – Sequences and place value, Money, addition and subtraction, Length, position and direction Addition and Subtraction
- **Autumn 2**- Number facts and counting, Double halving, addition and subtraction, Addition and subtraction, Time and 2D shapes
- **Spring 1**- Number and Place value, Addition and subtraction, Money and addition, Fractions, Weight, Time, Multiplication and division and 3D Shape
- **Spring 2** – Addition and Subtraction, multiplication and division, Capacity, Data, Subtraction and Money,
- **Summer 1**- Sequences and Fractions, Addition and subtraction, Money, addition, Time, 2D Shape, Ordinal numbers
- **Summer 2** – Multiplication and division, 3D Shape, Number and place value, Fraction and time, Measure and Data,

Yellow

Number

- Pupil demonstrates an understanding of 1:1 correspondence in everyday situations
- Pupil counts five objects by touching one at a time, arranged in a line and randomly – including 1p coins
- Pupil demonstrates an awareness of none / zero / nothing / nil.
- Pupil makes sets up to 5 on request.
- Pupil uses number names in everyday situations.
- With help pupil makes sets with one and with lots of objects.

Shape

- Pupils begin to pick out named shapes from a collection.
- Experiences 2D shapes in a range of practical situations.
- Begins to respond to instructions containing direction and movement words, signs, symbols – forwards backwards, up, down, sideways.
- Pupil can identify shapes in the environment / real life activities e.g. my plate is round.
- Pupil begins to describe the properties of shapes e.g. flat, curved, and solid.
- With adult prompts pupils begin to explore the properties of 2D and 3D shapes e.g. corners, straight, flat, curved, solid.

Measure

- Time To join in sequencing symbols / photos in time order.
- Weight and Volume to experience working with an adult filling and emptying a variety of containers with a range of materials.
- Weight and Volume to experience working with an adult lifting a range of objects / materials with clear contrast in weight
- Time Experiences carrying out activities for a lengths of time measured by standard /non-standard measures.
- Weight and Volume selects the 'heavy'/'light'/'full'/'empty'
- Length, Size, Height select bigger and smaller of two objects where the difference is not great.
- Compares 2 different weights using balance scales with adult support

Green

- **Autumn 1**-Number, sequencing and order, Number and Place value, Measure – size, 2D Shape and Position, Money - Exploring coins/role play and Addition –Practical.
- **Autumn 2**-Subtraction, Measure – Length, Halving, Doubling-Practical, Shape and Pattern, 3D Shape and Addition and Subtraction - Mental or pictorial
- **Spring 1**- Number and place value, Money and Number – Making amounts, Measure – Mass, 2D Shape – Properties, Time, Problem solving and Symmetry – Shape and Pattern
- **Spring 2**- Number and multiplication, Addition and subtraction, Data and 3D Shape – sorting by criteria
- **Summer 1**- Addition and Subtraction, Multiplication, Capacity, Time, Money –Addition and exploring change and Position and direction
- **Summer 2** – Addition and Subtraction - number line and hundred squares, Division, Shape and pattern, Ordinal Numbers – Link to sports day, Data and Problem solving

Orange

Number

- To take 'one' in learned situations – e.g. a biscuit.
- To demonstrate understanding the concept of 'many' and 'few' i.e. chooses many crisps rather than one or two.
- For the child to experience 1:1 correspondence in everyday situations.
- To make sets with one and with lots of objects.
- To number names in everyday situations.
- Pupil to demonstrate an understanding of 1:1 correspondence in every day situations

Shape

- To place objects into containers and takes them out.
- To build / stacks at least 2 objects.
- To post items according to their shape by trial and error.
- To experience 2D shapes in a range of practical situations.
- To experience 3D shapes in a range of practical situations.
- Pupil to begin to pick out named shapes from a collection

Measure

- Time To experience working with an adult carrying out activities / performing actions quickly and slowly and starting and stopping abruptly. Weight and Volume To experience working with an adult filling and emptying a variety of containers with a range of materials.
- Weight and Volume To experience working with an adult lifting a range of objects / materials with clear contrast in weight.
- Time To experience carrying out activities according to simple time vocabulary 'fast / slow, go / stop / wait', with adult support.
- Weight and Volume To demonstrate early understanding of volume when there is a clear contrast e.g. chooses full glass of preferred drink. Weight and Volume To demonstrate early understanding of weight e.g. braces self to lift heavy item.
- Compares 2 different weights using balance scales with adult support

Red

- **Autumn 1**-Number, sequencing and order. place value, measurement length, size, and height, 2D shape and position Money, exploring coins
- **Autumn 2**-Subtraction, measurement, length, weight and volume, fractions halving , shape and pattern 3D shapes. Addition and subtraction mental and pictorial.
- **Spring 1**- Number and place value, Money and Number – Making amounts, Measure – Mass, 2D Shapes sorting by criteria
- **Spring 2**- Number and multiplication, Addition and subtraction, Data and 3D Shape – sorting by criteria
- **Summer 1**- Addition and Subtraction, Multiplication, Capacity, Time, Money –Addition and exploring change and Position and direction
- **Summer 2** – Addition and Subtraction - number line and hundred squares, Division, Shape and pattern, Ordinal Numbers – Link to sports day, Data and Problem solving

Blue

- Engaging in and responding to number rhymes, songs and stories. Developing an awareness of number names and an understanding that numbers relate to how many items/objects. Number recognition to 10 (and beyond as appropriate), counting and matching numerals and quantities. Understanding 1-1 correspondence and 'more', 'too many'. Number formation and beginning addition and subtraction.
- Exploring 2D and 3D shapes – matching, sorting, making pictures, naming.
- Exploring pattern – using everyday objects, printing.
- Language related to size – big, small, tall, tallest, etc. – ordering 3 objects for size.
- Language related to weight/capacity – heavy, light, heavier than, full, empty – exploring through play.
- Positional language – in, on, under, off, out, over.
- Exploration of coins through role play exchanges, recognising coins to 10 pence.
- Language related to time, telling the time to the nearest hour.