

Mathematics in Year 1

Number and Place Value

- Count, both forwards and backwards, from any number, including past 100
- Read and write numbers up to 100 as digits
- Count in 2s, 5s and 10s
- Find 'one more' or 'one less' than a number
- Use mathematical language such as 'more', 'less', 'most', 'least' and 'equal'

Calculations

- Use the +, -- and = symbols to write and understand simple number calculations
- Add and subtract one- and two-digit numbers, up to 20
- Solve missing number problems, such as $10 - ? = 6$
- Begin to use simple multiplication by organising and counting objects

Fractions

- Understand $\frac{1}{4}$ and $\frac{1}{2}$
- to explain parts of an object or number of objects

Measurements

- Use practical apparatus to explore different lengths, weights and volumes
- Use language such as 'heavier', 'shorter' and 'empty' to compare things they have measured
- Recognise the different coins and notes of British currency
- Use language of time, such as 'yesterday', 'before', days of the week and months of the year
- Tell the time to the hour and half-hour, including drawing clock faces

Shape

- Recognise and name some common 2-d shapes, such as squares, rectangles and triangles
- Recognise and name some common 3-d shapes, such as cubes, cuboids and spheres
- Describe movements, including quarter turns

English in Year 1

Speaking and Listening

- Listen and respond to adults and other children
- Ask questions to extend their understanding
- Learn new vocabulary related to topics or daily life

Reading Skills

- Learn the 40+ main speech sounds in English and the letters that represent them
- Blend sounds together to form words
- Read aloud when reading books that contain familiar letter sound patterns
- Listen to, and talk about a range of stories, poems and non-fiction texts
- Learn about popular fairy tales and folk stories, and retell the stories
- Join in with repeated phrases in familiar books
- Make predictions about what might happen next in a book
- Explain clearly what has happened in a book they've read or listened to

Writing Skills

- Hold a pen or pencil in the correct and comfortable way
- Name the letters of the alphabet in order
- Write lower-case letters starting and ending in the right place
- Write capital letters, and the digits 0 to 9
- Spell simple words containing the main sounds they've learned in reading
- Spell the days of the week
- Learn to write words with common endings, such as -ed, -ing, -er and -est
- Plan out sentences aloud before writing them
- Write simple sentences, and those using joining words such as 'and'
- Begin to use full stops and capital letters for sentences
- Combine some sentences to make short descriptions or stories.

Science in Year 1

Scientific Investigation

Children are encouraged to carry out their own observations and experiments to further their scientific understanding. In Year 1 this may include learning to:

- Ask scientific questions
- Carry out simple tests, and make observations
- Collect information to answer questions
- Group together objects according to their properties or behaviours

Plants and Animals

- Name the main parts of the human body, including those related to the five senses
- Name a selection of common plants, including deciduous and evergreen trees
- Name the main parts of plants and trees, such as roots, stems, trunks and leaves
- Name a variety of common animals, including mammals, fish, birds, reptiles and amphibians
- Name some common animals which are carnivores, herbivores and omnivores

Everyday Materials

- Recognise that objects are made of materials
- Name some everyday materials such as wood, metal, glass and plastic.
- Describe some of the properties of materials, e.g. that wood is hard
- Group together items based on the materials they're made from, or their properties,
- for example by grouping heavy objects or shiny objects

Seasonal Change

- Observe changes across the four seasons
- Observe and describe how the day and weather changes with the seasons