

Year 4 Maths Key Objectives

1	Count backwards through zero to include negative numbers
2	Recognise the place value of each digit in a four-digit number
3	Round any number to the nearest 10, 100 or 1000
4	Recall multiplication and division facts for multiplication tables up to 12×12
5	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
6	Recognise and use factor pairs and commutativity in mental calculations
7	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout
8	Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
9	Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$
10	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
11	Round decimals with one decimal place to the nearest whole number
12	Compare numbers with the same number of decimal places up to two decimal places
13	Convert between different units of measure; estimate, compare and calculate different measures, including money in pounds and pence
14	Find the area of rectilinear shapes by counting squares
15	Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
16	Compare and classify geometric shapes, including quadrilaterals and triangles, based on properties and sizes
17	Complete a simple symmetric figure with respect to a specific line of symmetry.
18	Describe positions on a 2-D grid as coordinates in the first quadrant
19	Describe movements between positions as translations of a given unit to the left/right and up/down
20	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs

Year 3-4 Reading Key Objectives

1	Apply their growing knowledge of root words, prefixes and suffixes to read aloud
2	Read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word
3	Retelling some of these (fairy tales, traditional tales, etc.) orally
4	Identifying themes and conventions in a wide range of books
5	Preparing poems and play scripts to read aloud and to perform, showing understanding through intonation, tone, volume and action
6	Recognising some different forms of poetry
7	Using dictionaries to check the meaning of words that they have read
8	Checking that the text makes sense to them, discussing their understanding and explaining the meaning of words in context

9	Identifying main ideas drawn from more than one paragraph and summarising these
10	Drawing inferences such as inferring characters' feelings, thoughts and motives from their actions
11	Justify inferences with evidence
12	Discussing words and phrases that capture the reader's interest and imagination
13	Identifying how language contributes to meaning
14	Identifying how structure and presentation contribute to meaning
15	Retrieve and record information from non-fiction

Year 3-4 Writing Key Objectives

1	spell words that are often misspelt (Appendix 1)
2	Place the possessive apostrophe accurately in words with regular plurals and in words with irregular plurals
3	Use the first 2 or 3 letters of a word to check its spelling in a dictionary
4	Use the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined
5	Discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar
6	Composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures
7	Organising paragraphs around a theme
8	In narratives, creating settings, characters and plot
9	In non-narrative material, using simple organisational devices (headings & subheadings)
10	Proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences
11	Proofread for spelling and punctuation errors
12	Read their own writing aloud, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.
13	Extending the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although
14	Choosing nouns or pronouns appropriately for clarity and cohesion and to avoid repetition
15	Using conjunctions, adverbs and prepositions to express time and cause (and place)
16	Using fronted adverbials
17	Difference between plural and possessive -s
18	Standard English verb inflections (I did vs. I done)
19	Extended noun phrases, including with prepositions
20	Using and punctuating direct speech (including punctuation within and surrounding inverted commas)

Year 4 Science Key Objectives

1	Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
2	Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
3	Using straightforward scientific evidence to answer questions or to support their findings.
4	Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment
5	Describe the simple functions of the basic parts of the digestive system in humans
6	Construct and interpret a variety of food chains, identifying producers, predators and prey.
7	Compare and group materials together, according to whether they are solids, liquids or gases
8	Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.
9	Recognise that vibrations from sounds travel through a medium to the ear
10	Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers