

SPELLING and GRAMMAR

The spellings sent home include the National Curriculum spellings as well as the spelling patterns expected for Year 5.

In addition, they will be taught grammar terminology, and how to recognise and apply this in their writing.

Year 5

Expectations



Number

Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit

Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000

Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero

Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000

Solve number problems and practical problems that involve all of above

Read Roman numerals to 1000 (M); recognise years written in Roman numerals

Calculation

Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

Add and subtract numbers mentally with increasingly large numbers

Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

Solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors.

Know and use the vocabulary of prime numbers, prime factors and composite (non- prime) numbers

TEXT STRUCTURE/

ORGANISATION

Use a range of cohesive devices within paragraphs (e.g. then, after that, this, firstly)

Use grammatical connections and adverbials of time, place or number for cohesion (e.g. later, nearby, secondly)

Organise ideas with a suitable opening and closing, possibly linked

Use paragraphs to set out ideas or material in a logical sequence

Establish simple links between and within paragraphs or sections

Reading

UNDERSTANDING and INTERPRETING TEXT

Read a range of modern fiction, fiction from literary heritage and books from other cultures and traditions

Make comparisons within and across books

Identify and discuss themes and conventions across a wide range of writing

Ask questions to improve understanding of texts

Summarise ideas drawn from more than one paragraph, identifying key details

Discuss how authors use varied sentences and descriptive language to affect the reader

Make book recommendations, giving reasons for choices

Participate in discussions about books, building on and challenging ideas

Explain and discuss understanding of reading

Participate in formal presentations and debates about reading

Use age-appropriate dictionaries to check the meanings of words

Learn a wide range of poetry by heart

Prepare poems and play-scripts to read aloud and perform

Evidence must come from a range of genre:

COMPOSITION and EFFECT

Identify the audience and purpose before writing, and adapt accordingly

Select appropriate grammar and vocabulary to change meaning

Develop setting, atmosphere and character

Précis longer passages

Perform own compositions using appropriate intonation, volume and movement

Recognise difference in informal and formal language

Use a variety of sentence length, structure or subject

SENTENCE STRUCTURE /

PUNCTUATION

Use an age-appropriate dictionary to check spelling and meaning

Use a thesaurus

Use the correct tense consistently throughout a piece of writing

Ensure correct subject and verb agreement

Use expanded noun phrases to convey complicated information concisely

Use modal verbs (e.g. might, should, will, must) or adverbs (e.g. perhaps, surely) to indicate degrees of possibility

Use relative clauses (e.g. who, which, where, when, whose, that or an omitted relative pronoun)

Use the perfect form of verbs to mark relationships of time and cause

Use commas to clarify meaning or avoid ambiguity

Demarcate sentences correctly throughout the text

Establish whether a number up to 100 is prime and recall prime numbers up to 19

Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for 2-digit numbers

Multiply and divide numbers mentally drawing upon known facts

Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)

Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign

Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates

Statistics

Solve comparison, sum and difference problems using information presented in a line graph

Complete, read and interpret information in tables, including timetables

Fractions, decimals and percentages

Compare and order fractions whose denominators are all multiples of same number

Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths

Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number (e.g. $2/5 + 4/5 = 6/5 = 11/5$)

Add and subtract fractions with the same denominator and multiples of the same number

Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

Read and write decimal numbers as fractions (e.g. $0.71 = 71/100$)

Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents

Round decimals with two decimal places to the nearest whole number and to one decimal place

Read, write, order and compare numbers with up to three decimal places solve problems involving number up to three decimal places

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal

Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $1/5$, $2/5$, $4/5$ and those fractions with a denominator of a multiple of 10 or 25

Geometry

Identify 3-D shapes, including cubes and other cuboids, from 2-D representations

Know angles are measured in degrees: estimate and compare acute, obtuse, reflex

Draw given angles, and measure them in degrees (o)

Identify angles at a point and one whole turn (total 360o); on a straight line and $\frac{1}{2}$ a turn (total 180o); at a point; other multiples of 90o

Use the properties of rectangles to deduce related facts & find missing lengths & angles

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Distinguish between regular and irregular polygons based on reasoning about equal sides and angles

Measurement

Convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)

Understand and use equivalences between metric units and common imperial units such as inches, pounds and pints

Measure and calculate the perimeter of composite rectilinear shapes in cm & metres

Calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm²) and square metres (m²)

Estimate the area of irregular shapes Estimate volume (e.g. using 1cm cubes) and capacity (e.g. using water)

Solve problems involving converting between units of time

Use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling

Other.

Present information and results in a clear and organised way

Search for a solution by trying out ideas of their own