YEAR 4 OBJECTIVES

ENGLISH

4.1.a.1 Apply their growing knowledge of root words, prefixes and suffixes both to read aloud and to understand the meaning of new words they meet

4.1.a.2 Read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word

4.2.a.1 Develop positive attitudes to reading and understanding of what they read by: listening to and discussing a wide range of fiction, poetry, plays, non- fiction and reference books or textbooks

4.2.a.2 Develop positive attitudes to reading and understanding of what they read by: reading books that are structured in different ways and reading for a range of purposes

4.2.b.1 Develop positive attitudes to reading and understanding of what they read by: increasing their familiarity with a wide range of books, including fairy stories, myths and legends, and retelling some of these orally

4.2.b.2 Develop positive attitudes to reading and understanding of what they read by: identifying and discussing themes and conventions in *and across* a wide range of writing

4.2.c.1 Develop positive attitudes to reading and understanding of what they read by: preparing poems and play scripts to read aloud and to perform, showing understanding through intonation, tone, volume and action

4.2.c.2 Develop positive attitudes to reading and understanding of what they read by: recognising some different forms of poetry, (e.g. free verse, narrative poetry)

4.2.d.1 Develop positive attitudes to reading and understanding of what they read by: using dictionaries to check the meaning of words that they have read

4.2.e.1 Understand what they read, in books they can read independently, by: checking that the text makes sense to them, discussing their understanding and explaining the meaning of words in context

4.2.e.2 Understand what they read, in books they can read independently, by: asking questions to improve their understanding of a text

4.2.e.3 Understand what they read, in books they can read independently, by: identifying main ideas drawn from more than one paragraph and summarising these

4.2.f.1 Understand what they read, in books they can read independently, by: drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence

4.2.h.1 Develop positive attitudes to reading and understanding of what they read by: discussing words and phrases that capture the reader's interest and imagination

4.2.h.2 Understand what they read, in books they can read independently, by: identifying how language, structure, and presentation contribute to meaning

4.2.i.1 Retrieve and record information from non-fiction

4.2.j.1 Participate in discussion about both books that are read to them and those they can read for themselves, taking turns and listening to what others say

4.1.a.1 Spell further homophones

4.1.a.2 Spell words that are often misspelt (English Appendix 1)

4.1.b.1 Place the possessive apostrophe accurately in words with regular plurals: e.g. girls', boys' and in words with irregular plurals: e.g. children's

4.1.b.2 Use further prefixes and understand how to add them (English Appendix 1)

4.1.b.3 Use further suffixes and understand how to add them

4.1.b.4 Use the first two or three letters of a word to check its spelling in a dictionary

4.1.c.1 Write from memory simple sentences, dictated by the teacher, that include words and punctuation taught so far

4.1.d.1 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

4.1.d.2 Increase the legibility, consistency and quality of their handwriting: e.g. by ensuring that the downstrokes of letters are parallel and equidistant; that lines of writing are spaced sufficiently so that the ascenders and descenders of letters do not touch

4.2.a.1 Plan their writing by: discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar

4.2.b.1 Plan their writing by discussing and recording ideas

4.2.b.2 Draft and write by composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures

4.2.b.3 Draft and write by organising paragraphs around a theme

4.2.b.4 Draft and write in narratives by creating settings, characters and plot

4.2.b.5 Draft and write in non-narrative material, by using simple organisational devices: e.g. as headings and sub- headings

4.2.c.1 Evaluate and edit by: assessing the effectiveness of their own and others' writing and suggesting improvements

4.2.c.2 Evaluate and edit by: proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences

4.2.c.3 Proof-read for spelling and punctuation errors

4.2.d.1 Read aloud their own writing, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear

4.3.a.1 Form nouns using prefixes (super-, anti-)

4.3.a.2 Word families based on common words (eg; solve, solution, dissolve, insoluble)

4.3.b.1 Develop their understanding of the concepts set out in English Appendix 2 by: choosing nouns or pronouns appropriately for clarity and cohesion and to avoid repetition

4.3.b.2 Develop their understanding of extending the range of sentences with more than one clause by using a wider range of conjunctions including: when, if, because, although

4.3.b.3 Develop their understanding of using conjunctions, adverbs and prepositions to express time and cause

4.3.b.4 Develop their understanding of using the present perfect form of verbs in contrast to the past tense

4.3.b.5 Use the correct form of 'a' or 'an'

4.3.c.1 Use of inverted commas and other punctuation to indicate direct speech; apostrophes to mark plural possession; use of commas after fronted adverbials

MATHS

4.1.a.1 Count in multiples of 1000; count backwards through zero to include negative numbers

4.1.a.2 Find 1000 more or less than a given number

4.1.a.3 Count in multiples of 6, 7, 9 and 25

4.1.b.1 Recognise the place value of each digit in a four- digit number (thousands, hundreds, tens, ones)

4.1.b.2 Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

4.1.b.3 Identify, represent and estimate numbers to 10 000 using different representations

4.1.c.1 Order and compare numbers beyond 1000

4.1.d.1 Solve number and practical problems with number and place value from the Year 4 curriculum, with increasingly large positive numbers

4.1.e.1 Round whole numbers to 10,000 to the nearest 10, 100 or 1000

4.2.a.1 Use the distributive law to multiply two digit numbers by one digit

4.2.a.2 Understand the inverse relationship between addition and subtraction (+)

4.2.a.3 Use commutativity in mental calculations

4.2.a.3 Use factor pairs in mental calculations (^)

4.2.b.1 Mentally add and subtract pairs of three-digit and four- digit numbers (+)

4.2.b.2 Use addition and subtraction facts to 100 and derive related facts up to 1000 (+)

4.2.b.3 Use place value, known and derived facts to multiply and divide mentally, including multiplying by 10 and 100; dividing by 10 and 100; multiplying together three numbers

4.2.c.1 Solve calculation problems involving two-step addition and subtraction in context, deciding which operations to use and why

4.2.c.2 Solve calculation problems involving two-step addition and subtraction in context, deciding which methods to use and why

4.2.c.3 Solve problems involving multiplying and adding, including integer scaling and harder correspondence problems such as n objects are connected to m objects

4.2.d.1 Recognise factor pairs

4.2.d.2 Recall multiplication and division facts for multiplication tables up to 12 × 12

4.2.e.1 Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate

4.3.b.2 Recognise that the denominator of a fraction always tells you the number of equal parts that make one whole

4.2.e.2 Multiply two-digit and three-digit numbers by a one- digit number using formal written layout

4.3.b.3 Recognise and write decimal equivalents of any number of tenths or hundredths and 1/4; 1/2; 3/4

4.2.e.3 Divide two-digit and three-digit numbers by a one- digit number using formal written layout

4.3.c.1 Continue to compare and order unit fractions, and fractions with the same denominators

4.2.f.1 Check answers to addition and subtraction calculations by estimating and using inverse operations

4.3.c.2 Add and subtract fractions with the same denominator

4.2.f.2 Check answers to multiplication and division calculations using rounding

4.3.c.3 Understand the relation between non-unit fractions and multiplication and division of quantities

4.3.a.1 Make connections between fractions of a length, of a shape and as a representation of one whole or a set of quantities

4.3.c.4 Rounds decimals with one decimal place to the nearest whole number

4.3.a.2 Use factors and multiples to recognise equivalent fractions and simplify where appropriate

4.3.c.5 Compares numbers with the same number of decimal places up to two decimal places

4.3.a.3 Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten

4.3.d.1 Solve problems involving harder fractions to calculate and divide quantities, including non-unit fractions where the answer is a whole number

4.3.a.4 Divide a one or two-digit numbers by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths (^)

4.3.d.2 Solve simple measure and money problems involving fractions and decimals to two decimal places

4.3.b.1 Recognise and show, using diagrams, families of common equivalent fractions

4.1.1 Read, write and convert time between analogue and digital 12- and 24-hour clocks

4.1.2 Convert from larger to smaller units of time

4.1.3 Record money using decimal notation

4.1.4 Convert from larger to smaller units of metric measure

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4.2.1 Read time from analogue and digital 12- and 24-hour clocks

4.2.2 Write time from analogue and digital 12- and 24-hour clocks

4.2.3 Estimate and compare different measures, including money

4.2.4 Measure the perimeter of a rectilinear figure

4.2.5 Find the area of rectilinear shapes by counting squares and relate it to multiplication arrays

4.3.1 Continue to solve problems relating to the duration of events

4.3.2 Calculate with different measures

4.3.3 Calculate with money in pounds and pence (

4.3.4 Continue to solve problems involving mixed units of length, mass and capacity/volume

4.3.5 Calculate the perimeter of a rectilinear figure

4.1.1 Complete a simple symmetric figure with respect to a specific line of symmetry, and measure angles using a protractor

4.1.2 Identify lines of symmetry in 2-D shapes presented in different orientations, including where the line of symmetry does not dissect the original shape

4.1.3 Continue to recognise 3-D shapes, using the correct language

4.2.1 Compare and classify geometric shapes, including different types of quadrilaterals and triangles, based on their properties and sizes (*)

4.2.2 Use the vocabulary of the different types of triangle and quadrilateral

4.2.3 Continue to make and classify 3-D shapes, including by the 2-D shapes that form their surface

4.3.1 Identify acute and obtuse angles

4.3.2 Compare and order angles up to two right angles by size

4.3.3 Continue to identify types of angles and to reason about their sizes

4.4.1 Describe positions on a 2-D grid as coordinates in the first quadrant

4.4.2 Plot specified points and draw sides to complete a given polygon

4.5.1 Describe movement between positions as translations of a given unit to the left/right and up/down

4.1.1 Interpret discrete and continuous data using appropriate graphical methods, including time graphs

4.2.1 Present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs (^)

4.3.1 Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs (^)

4.3.2 Begin to solve problems involving information presented in tables

4.1.1 Solve calculation problems involving multiplying and adding, including integer scaling and harder correspondence problems such as n objects are connected to m objects.

4.1.2 Use the distributive law and associative law to perform mental calculations