

KESTREL CLASS SPRING 2020

A HUNDRED AND FIFTY YEARS AGO IN MELDRETH

English Themes	Spelling	Grammar /sentence structure	Composition
Story writing skills Witness reports Diaries/journals Book study Information report	Pluralisation Prefixes and Suffixes Irregular tense changes homophones	Adverbial phrases and fronted adverbials. Further work on joining clauses with conjunctions and commas Further development of word classes – adverbs, adjectives, nouns, verbs, pronouns, determiners, modal verbs Prepositions Different ways of starting sentences	In narratives, creating settings, characters and plot In non-narrative material, using simple organisational devices [for example, headings and sub-headings] Creating and linking paragraphs Powerful verbs Developing vocabulary

HISTORY

1851 The arrival of the railway
 Meldreth in Victorian and Edwardian times
 Meldreth up to World War I
 Study of local building styles
 Exploration of local history stories and census reports.
 Early days of the school.

GEOGRAPHY

Mapping Meldreth

MUSIC

Whole class recorder lessons

PE

Gymnastics Dance
 Invasion games - hockey

RE

Christianity – our Church - Easter

SCIENCE

Earth in Space
 Changes in materials

ART / D&T

Toys with cams
 Textiles Looking at work of LS Lowry

PSHCE

Healthy and Safer Lifestyles
 Myself and My relationships
 Conflict Resolution

COMPUTING

Programming – making a maths quiz
 Film making - animations

MFL

Spanish

Maths Year 5 – by the end of the year all pupils should...

Place Value	1. Read, write, order & compare numbers to at least 1 000 000 and determine the value of each digit.
	2. Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000. Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000
	3. Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.
	4. Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.
Add and Sub	5. Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).
	6. Add and subtract numbers mentally with increasingly large numbers. Use rounding to check answers to calculations and levels of accuracy.
	7. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
Mult and Div	8. Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
	9. Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. Establish whether a number up to 100 is prime and recall prime numbers up to 19.
	10. Multiply numbers up to 4 digits by a 1- or 2-digit number using a formal written method. Divide numbers up to 4 digits by a 1-digit number using the formal written method of short division.
	11. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
Fractions	12. Recognise and use square numbers and cube numbers, and the notation for squared and cubed.
	13. Compare and order fractions whose denominators are all multiples of the same number. Add and subtract fractions with the same denominator and multiples of the same number.
	14. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.
	15. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.
	16. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.
	17. Round decimals with two decimal places to the nearest whole number and to one decimal place. Read and write decimal numbers as fractions (e.g. $0.72 = \frac{72}{100}$).
	18. Read, write, order and compare numbers with up to three decimal places. Solve problems involving number up to three decimal places.
Measure	19. Write percentages as a fraction. Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those with a denominator of a multiple of 10 or 25.
	20. Convert between different units of metric measure (e.g. km & m; cm & m; cm & mm; g & kg; l & ml). Use approx. equivalences between metric and imperial units (e.g. inches, pounds & pints).
	21. Measure & calculate the perimeter of composite rectilinear shapes in cm/m. Calculate the area of squares/rectangles using standard units, square cm/m and estimate the area of irregular shapes.
	22. Estimate volume (e.g. using 1 cm blocks to build cubes/cuboids) and capacity (e.g. using water).
	23. Solve probs involving converting between units of time. Use all four operations to solve probs involving measure (e.g. length, mass, volume, money) using decimal notation including scaling.
Geometry	24. Identify 3D shapes, including cubes and other cuboids, from 2D representations.
	25. Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees.
	26. Identify: angles at a point and one whole turn (total 360°); angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°); other multiples of 90° .
	27. Use the properties of rectangles to deduce related facts and find missing lengths and angles.
Stats	28. Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.
	29. Solve comparison, sum and difference problems using information presented in a line graph.
	30. Complete, read and interpret information in tables, including timetables.