

# Class 4 Core Subject Coverage 2018/2019



## AUTUMN 1

Date/Week	Writing	SPaG	Maths	Maths EXTRA	Science
1 03/09		Sp: silent letters P: use of capital letters- sentence starters and proper nouns G: recognising word classes- verbs, nouns, adjectives and adverbs.	<b>Place Value</b> Knowing the value of each digit. Partition and decompose numbers. Match numerical numbers to those in words. Order numbers up to 7 or 8 digits. Compare numbers up to 7 or 8 digits using < and >. Rounding numbers to the nearest 10, 100, 1000, 10,000, 100,000, million. Reading Roman numerals to 1000. Roman numerals for specific years.	Assessment of calculation skills	<b>Chemistry: materials and their properties</b> That some materials dissolve (and disappear) to make a solution. Dissolved materials can be recovered.
2 10/09	Recount: Diary	Sp: homophones- basic list P: commas for a list G: noun, proper noun, pronoun- relative and possessive pronoun	<b>Decimal Place Value</b> Identify the value of each digit in number with up to three decimal places. Read and write decimal numbers. Order and compare decimal numbers. Rounding decimal numbers to the nearest tenth, one hundredth or one thousandth or whole number. Problem solving.	BODMAS	That filters, sieves and evaporation can reverse the processes of dissolving and mixing.
3 17/09		Sp: changing nouns to verbs P: colon to introduce a list G: identifying statements	<b>Addition</b> Rounding, estimating, mental calculations. Decomposition and expanded calculations. Formal column methods. Solving missing digit calculations.	Addition- types of presentation	Some changes are not reversible.
4 24/09		Sp: adjectives to verbs P: how to use question marks G: identifying and writing questions	<b>Subtraction</b> Working out the difference between two numbers- use of number lines. Subtracting 1000, 500, 200, 100, 50, 10 and 1 from different amounts. Decomposition method- focus on exchange. Problem solving- calculating change.	Subtraction- types of presentation	Heating and cooling can also create changes that are irreversible.
5 01/10	Procedural: Route planner	Sp: using verb prefixes P: where to and not to use exclamation marks G: identifying exclamations	<b>Multiplication</b> Recall multiplication facts. Methods for multiplication- two/three digit by one digit, two/three digit by two digit. Solve missing number calculations.	Multiplication-types of presentation	Burning causes new materials and this process is irreversible.
6 08/10		Sp: using verb prefixes P: apostrophe (contraction) G: identifying commands	<b>Division</b> Relationship with multiplication. Chunking method. Formal short/bus stop method- by single divisors, then double divisors.	Division-types of presentation	Materials can be sorted based on their properties.
7 15/10		Sp: suffixes- cious or tious P: bullet points G: using co-ordinating conjunctions- FANBOYS (for, and, nor, but, or, yet, so)	<b>Statistics</b> Averages- mean, mode and median. Solving data problems and describing data.	Assessment and next steps	Materials all around us have been used to make products that need to be fit for specific purposes based on their properties.

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## AUTUMN 2

Date/Week	Writing	SPaG	Maths	Maths EXTRA	Science/DT
8 29/10	Persuasive: Event poster	Sp: 'ou' sound P: inserting a pair of commas correctly G: recognising subordinate clauses in a sentence	<b>Fractions</b> Ordering and comparing unit fractions (1/2, 1/3, 1/4) and fractions that are several parts of the whole. Finding pairs of fractions that equal one. Checking if two or more fractions are equivalent by shading shapes- using a fraction wall. Adding fractions with the same denominator- link to improper fractions and mixed numbers. Subtracting fractions with the same denominator- link to improper fractions and mixed numbers.	Fluent in 5 Week 1	<b>Physics: Electricity</b> What is electricity? Sources of electrical energy. Making a simple circuit and recording it.
09 05/11		Sp: 'ure' sound P: correctly using a dash G: rewriting sentences in the present progressive	<b>Fractions</b> Adding fractions with different denominators. Subtracting fractions with different denominators. Ordering fractions with different denominators. Adding mixed numbers to proper fractions. Subtracting proper fractions from mixed numbers.	Fluent in 5 Week 2	Using the correct symbols to draw circuits. Constructing an example of a parallel/series circuit. Looking for similarities and differences.
10 12/11		Sp: -able, -ible, -ably, ibly P: identifying sentences that include parenthesis G: identifying formal / informal language	<b>Fractions</b> Dividing fractions by whole numbers. Multiplying pairs of fractions. Multiplying mixed numbers by whole numbers. Problem solving.	Fluent in 5 Week 3	Investigating the way the brightness of a bulb may be affected. Investigating how the speed of a motor may be affected.
11 19/11		Sp: 'ough' letter string P: explaining how an apostrophe can change the meaning of a word G: identifying prepositions in a sentence	<b>Fractions</b> Subtracting mixed numbers from mixed numbers. Finding fractions of an amount. Problem solving.	Fluent in 5 Week 4	Reading graphs and charts about electricity, answering questions and applying knowledge.
12 26/11	Recount: Reporting on an event	Sp: -ant, -ancy, -ance P: inserting hyphens and commas G: identifying the subject of a sentence	<b>Decimals</b> Addition of decimal numbers, where they are different sizes. Subtraction of decimal numbers from whole numbers. Multiplication of decimal numbers by whole numbers. Division of decimal numbers by whole numbers. Multiplication and division by 10, 100 and 1000.	Fluent in 5 Week 5	<b>DT: Cooking</b> Researching different types of Chinese food. Nutrition facts.
13 03/12		Sp: -ent, ency, -ence P: identifying singular and plural nouns G: identifying relative pronouns in a sentence	<b>Percentages</b> Finding 10% of any number, leading to 5%, leading to additional values using 10 and 5. Finding the percentage of an amount. Percentage rises and decreases in shopping contexts and financial services.	Fluent in 5 Week 6	Cooking methods of Chinese food- wok cooking. Using a bought stir fry mix, cook, taste and evaluate.
14 10/12		Assessment week.	Assessment week.	Fluent in 5 Week 7	Design a stir fry. Additional ingredients? Noodles, chicken etc.
15 17/12		Sp: words beg with 'sc' P: different parenthesis, same effect G: identifying adverbials	<b>Fractions, decimals and percentages</b> Converting decimals to fractions and vice versa. Converting decimals to percentages. Creating a table of equivalences. Problem solving.	Fluent in 5 Week 8	Prepare the raw ingredients for their own stir fry and make. Evaluate and get feedback from invited guests.

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## SPRING 1

Date/Week	Writing	SPaG	Maths	Maths EXTRA	Science
16 07/01	EXPLANATION: science text books	Sp: '-ence', '-ency' & '-ent' P: identifying correctly punctuated sentences G: co-ordinating and subordinating conjunctions	NUMBER- ALGEBRA Adding and subtracting Expressing problems algebraically Multiplying Dividing	Fluent in Five Wk 9	<b>PHYSICS: Earth, Sun and Moon</b> Explain the movement of the Earth, and other planets, relative to the Sun in the solar system.  Explain the movement of the Moon relative to the Earth.  Explain the Sun, Earth and Moon as approximately spherical bodies.  Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
17 14/01		Sp: '-sion', '-tion' & '-cian' P: identifying correctly punctuated sentences G: possessive pronouns	Simple formulae. Linear number sequences. Missing number problems expressed algebraically. Equations.	Fluent in Five Wk 10	
18 21/01		Sp: 'ei', 'eigh' & 'ey' P: rewriting reported speech as direct speech G: replacing words with the correct pronoun	THEME- PERIMETER Drawing rectangles correctly. Using the properties of rectangles to find missing lengths. Finding the perimeter of regular rectangles and rectilinear shapes ('L' shapes). Investigating perimeter.	Fluent in Five Wk 11	
19 28/01	POETRY: The Rime of the Ancient Mariner by Samuel Coleridge.	Sp: words with prefix/suffix additions P: colon in a sentence G: identifying active and passive voice	THEME: PERIMETER with AREA Knowing the difference between perimeter and area. Solving problems. How shapes can have the same perimeter but different areas.	Fluent in Five Wk 12	
20 04/02		Sp: 'i' sound spelt 'y'. P: apostrophe to show possession v omission G:	THEME: AREA Calculating area. Use of formula. Finding the area of regular and irregular shapes. How shapes can have the same area but a different perimeter.	Fluent in Five Wk 13	
21 11/02 ROBINWOOD RESIDENTIAL Mon-Wed		Sp: suffix 'ly' P: using commas correctly G: verbs in different tenses	THEME: VOLUME Estimating the volume of cuboids. Calculating the volume of cuboids: regular and irregular.	Fluent in Five Wk 14	

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## SPRING 2

Date/Week	Writing	SPaG	Maths	Maths EXTRA	Science
22 25/02	DISCUSSION: Human activity is having a big impact on the environment. Discuss.	Sp: tricky suffixes '-cious' and '-tious' P: identify words in a given sentence that should begin with a capital letter G: identifying relative clauses	THEME: RATIO AND PROPORTION Ratio; comparing the size of quantities. Proportion; comparing the relationship between two sets of quantities. Writing, finding and working with ratio. Indirect and direct proportion.	Fluent in Five Wk 15	BIOLOGY: HEALTH AND LIFESTYLES  Food and healthy choices. Food groups. Digestive system
23 04/03		Sp: further suffix spelling and use, such as '-tial' P: rewriting direct speech as reported speech G: identifying relative pronouns	THEME: MEASURE Metric measurements. Length, weight and time. Temperature scales. Money.	Fluent in Five Wk 16	Function of the heart. Circulatory system and lungs. Exercise and its affect on the heart.  Muscles and skeletons Musculoskeletal system
24 11/03		Sp: 'g' sound as in 'plague'. P: sentences where parenthesis has been omitted G: nouns formed from verbs		Fluent in Five Wk 17	Effects of smoking, alcohol and drugs. Respiratory system
25 18/03	NARRATIVE: Adventure; extreme settings	Sp: further suffix spelling and use, such as '-ous' P: apostrophe clinic G: use of subordinating conjunctions within sentences	THEME- GEOMETRY: POSITION AND DIRECTION Reflect, rotate and translate shapes. Use all four quadrants and describe positions of shapes within the grid.	Fluent in Five Wk 18	Nervous system  Personal challenge linked to Silver School Games award.
26 25/03		Assessment week	Assessment week	Fluent in Five Wk 19	
27 01/04		Sp: basic spelling rules, such as 'i' before 'e' except after 'c'. P: using higher order punctuation in a given sentence. G: modal verbs and how they change sentences.	THEME: CIRCLES Illustrating and naming parts of a circle. Investigating with circles.	Fluent in Five Wk 20	Keeping our bodies healthy.