



# Year 4 Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>English</b>	<p><b>Narrative Fiction</b> Novel: The Secret Garden Setting scenes, describing characters, summarising a chapter book. Narrative Dialogue</p> <p><b>Writing composition</b> Narrative: write a paragraph about Mary's arrival at Misselthwaite Manor. Dialogue: rewrite a dialogue between two characters in the story.</p> <p><b>Grammar Vocabulary and Punctuation:</b> Singular and Plural Nouns Pronouns Compound Words Adverbs to Express Time and Cause.</p> <p><b>Spelling:</b> Words with /aw/</p>	<p><b>Poetry</b> Rhyming and non-rhyming words. Poems with seasonal and festive themes, including 'Twas the Night Before Christmas.</p> <p><b>Writing composition</b> Poetry Write a rhyming poem with a seasonal theme.</p> <p><b>Grammar Vocabulary and Punctuation:</b> Possessive Pronouns Fronted Adverbials Prepositions to Express Time and Cause, Plural and Possessive '-s' Commas.</p> <p><b>Spelling:</b> Words with a /shuhn/ sound, spelt with 'sion' (if root word</p>	<p><b>Persuasive Text</b> 'Cats make the best pets'.</p> <p><b>Writing composition</b> Persuasive Writing, constructing reasonable arguments supported by evidence. Making a conclusion. Composition based on issues relevant to the children such as pets, additional playtime, school uniform or homework. Children write for/against paragraphs.</p> <p><b>Grammar Vocabulary and Punctuation:</b> Adjectives Homophones Commas after Fronted Adverbials Expanded Noun Phrases</p>	<p><b>Informative Text</b> Linked with Science Unit on Electricity. Organising text into paragraphs with heading and subheadings.</p> <p><b>Writing Composition</b> Science Report about the invention of electricity. Newsletter article. Write a newspaper article about our school trip.</p> <p><b>Grammar Vocabulary and Punctuation:</b> Determiners Word Families Prepositional Phrases Verb Tenses – Present Inverted Commas Paragraphs</p> <p><b>Spelling:</b> Adding the prefix inter- (meaning 'between' or 'among')</p>	<p><b>Creative/Imaginative Text</b> The Chronicles of Narnia Fantasy genre and hypothetical questions.</p> <p><b>Writing Composition</b> Creative writing story. If I had the power/ability to...I would.... If I walked through the wardrobe, I would see..</p> <p><b>Grammar Vocabulary and Punctuation:</b> Verb Inflections Conjunctions to Express Time and Cause Suffixes Possessive Apostrophes Paragraphs.</p> <p><b>Spelling:</b></p>	<p><b>Reflection Text</b> Diary of a Wimpy Kid.</p> <p><b>Writing Composition</b> Reflection/Review Writing Diary/Journal Entry</p> <p><b>Grammar Vocabulary and Punctuation:</b> Verb Tenses – Past Prefixes Plural Possessive Apostrophes Subordinate Clauses</p> <p><b>Spelling:</b> Words with the /s/ sound spelt with 'sc'  Words with a 'soft c' spelt with 'ce'  Words with a 'soft c' spelt with 'ci'  Word families based on common words, showing how words</p>



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	<p>spelt with augh and au.</p> <p>Adding the prefix in- (meaning 'not' or 'into')</p> <p>Adding the prefix im- (before a root word staring with 'm' or 'p')</p> <p>Adding the prefix il- (before a root word staring with 'l') and the prefix ir- (before a root word staring with 'r') Homophones &amp; near homophones</p> <p>Words with /shun/ endings spelt with 'sion' (if root word ends in 'se', 'de' or 'd')</p> <p><b>Handwriting:</b> Introduce the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined,</p>	<p>ends in 'se', 'de' or 'd')</p> <p>Words with a /shuhn/ sound, spelt with 'ssion' (if root word ends in 'ss' or 'mit')</p> <p>Words with a /shuhn/ sound, spelt with 'tion' (if root word ends in 'te' or 't' / or has no definite root)</p> <p>Words with a /shuhn/ sound, spelt with 'cian' (if root word ends in 'c' or 'cs')</p> <p>Words with 'ough' to make a long /o/, /oo/ or /or/ sound</p> <p><b>Handwriting:</b> Continue the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined,</p>	<p><b>Spelling:</b> Homophones &amp; near homophones.</p> <p>Nouns ending in the suffix -ation.</p> <p>Nouns ending in the suffix -ation.</p> <p>Adding the prefix sub- (meaning 'under') and adding the prefix super- (meaning 'above')</p> <p>Plural Possessive Apostrophes with plural words</p> <p><b>Handwriting:</b> Continue the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined, increase the legibility, consistency and quality of their handwriting.</p>	<p>Adding the prefix anti- (meaning 'against')</p> <p>Adding the prefix auto- (meaning 'self' or 'own')</p> <p>Adding the prefix ex- (meaning 'out')</p> <p>Adding the prefix non- (meaning 'not')</p> <p>Words ending in -ar/ -er</p> <p><b>Handwriting:</b> Continue the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined, increase the legibility, consistency and quality of their handwriting.</p>	<p>Adding the suffix -ous (No change to root word)</p> <p>Adding the suffix -ous (No definitive root word)</p> <p>Adding the suffix -ous (Words ending in 'y' become 'i' and words ending in 'our' become 'or')</p> <p>Adding the suffix ous (Words ending in 'e' drop the 'e' but not 'ge')</p> <p>Adverbials of frequency and possibility.</p> <p><b>Handwriting:</b> Continue the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined, increase the legibility, consistency and</p>	<p>are related in form and meaning</p> <p>Word families based on common words, showing how words are related in form and meaning</p> <p>Statutory Spellings</p> <p>Challenge Words</p> <p><b>Handwriting:</b> Continue the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined, increase the legibility, consistency and quality of their handwriting.</p>
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	increase the legibility, consistency and quality of their handwriting.	increase the legibility, consistency and quality of their handwriting.			quality of their handwriting.	
<b>Maths</b>	<p><b>Place value</b> Read, write 4-digit numbers and know what each digit represents; compare 4-digit numbers using &lt; and &gt; and place on a number line.</p> <p><b>Addition and subtraction</b> Finding pairs with a total of 100; adding to the next multiple of 100 and subtracting to the previous multiple of 100; subtract by counting up to find a difference; adding several numbers. Add two 3-digit numbers using column addition; subtract a 3-digit number from a 3-digit number using an</p>	<p><b>Place value</b> 4-digit numbers Place 4-digit numbers on landmarked lines; 0–10 000 and 1000–2000; round 4-digit numbers to the nearest 10, 100 and 1000;</p> <p><b>Addition and subtraction</b> Mentally add and subtract to/from 4-digit and 3-digit numbers using place-value; count on and back in multiples of 10, 100 and 1000; count on in multiples of 25 and 50; add and subtract multiples of 10 and 100 to/from 4-digit numbers.</p> <p><b>Subtraction</b> <b>Expanded column subtraction</b></p>	<p><b>Multiplication</b> multiply 2-digit numbers by single-digit numbers.</p> <p><b>Fractions</b> Finding fractions of 2- and 3-digit numbers.</p> <p><b>Geometry</b> Parallel and perpendicular lines Symmetry Recognise and draw line symmetry in shapes; draw the other half of symmetrical shapes. Recognise and compare acute, right and obtuse angles; draw lines of a given length; identify perpendicular and parallel lines.</p> <p><b>Measurement:</b> <b>Perimeter</b></p>	<p><b>Multiplication and Division</b> Multiplication and division of 2-digit and 3-digit numbers by 1-digit numbers.</p> <p><b>Subtraction</b> 3- and 4-digit numbers, with regrouping.</p> <p><b>Measurement:</b> <b>Money</b> Addition and subtraction with pounds and pence. Calculate total price, calculate change.</p> <p><b>Place Value</b> Negative numbers Addition and subtraction with negative numbers.</p> <p><b>Place value of decimal numbers</b></p>	<p><b>Multiplication and Division</b> Using factors to multiply and divide</p> <p><b>Decimals and Fractions</b> Counting in tenths and hundredths. Recognise decimal and fraction equivalents. Placing decimals and fractions on a number line.</p> <p><b>Measurement: Time</b> Reading, writing and converting time between analogue and digital 12- and 24-hour clocks, and solving problems involving converting from hours to minutes; minutes to seconds</p>	<p><b>Measurement</b> Calculating area</p> <p><b>Data</b> Interpreting information from bar charts, tables and pictograms. Creating graphs from data.</p> <p><b>Shape</b> Properties of 2d and 3d shapes recognise, name and classify 2D shapes identifying regular and irregular polygons; sort 2D shapes according to properties including types of quadrilaterals and triangles; revise 3D shapes, consider 2D-shaped sides on 3D shapes, and sort shapes</p>

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	<p>expanded column method.</p> <p><b>Multiplication and Division</b> Learn <math>\times</math> and <math>\div</math> facts for all times-table 1-12 and identify patterns; multiply multiples of 10 by single-digit numbers</p> <p><b>Fractions</b> Double 3-digit numbers and halve even 3-digit numbers; revise unit fractions; identify equivalent fractions; reduce a fraction to its simplest form; count in fractions.</p>	<p>Use expanded written subtraction and compact written subtraction to subtract pairs of 3-digit numbers; use expanded column subtraction and compact column subtraction to subtract pairs of 3-digit and 2-digit numbers from 3-digit numbers;</p> <p><b>Measurement:</b> <b>Metres, centimetres millimetres</b> measure in metres, centimetres and millimetres; convert lengths between units</p>	<p>Calculate perimeter of a rectilinear shape using addition or multiplication.</p>	<p>Understand, read and write 2-place decimals; compare 2-place decimals in the context of lengths; add and subtract 0.1 and 0.01 and say a number one-tenth (0.1) or one-hundredth (0.01) more or less than a given number; revise equivalent fractions; write fractions with different denominators with a total of 1.</p>		
<b>Geography History</b>	<p><b>Ancient Sumer</b> Describe where in the world Ancient Sumer was. Describe some key features of this early civilisation. Describe some artefacts that have been discovered.</p>	<p><b>All Around the World</b> Locate the Equator on a map and globe. Locate the Northern Hemisphere on a map and globe. Locate the Southern Hemisphere on a map and globe. Find the North and</p>	<p><b>Global Citizenship</b> Developing confidence and responsibility and making the most of their abilities. Preparing to play an active role as citizens. Developing a healthy</p>	<p><b>Water</b> Describe water in its solid, liquid and gaseous state. List the main events in the water cycle. Explain that changes in temperature cause</p>	<p><b>Railways</b> Describe some benefits of the growth of the railway networks from around the world. Name some important individuals, famous locomotives</p>	<p><b>Outdoor Learning: Somewhere to Settle</b> Explain what a settlement is. Identify important features of a settlement site. List the things settlers</p>

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	<p>Describe how advances made in Ancient Sumer have impacted on the wider world. Communicate their learning by composing historically valid accounts on different aspects of the civilisation. Ask and answer questions to demonstrate their understanding.</p>	<p>South Poles on a globe or map. Identify lines of latitude on a map. Identify lines of longitude on a map. Identify the Arctic Circle on a globe or map. Identify the Antarctic Circle on a globe or map. Identify the location of the Tropics of Cancer and Capricorn. Identify differences between the UK and the tropics. Identify the location of the Prime Meridian. Find the local time in another city using time differences.</p>	<p>lifestyle. Developing good relationships and respecting the differences between people.</p>	<p>evaporation and condensation. Explain that water has to be cleaned for drinking. List different types of flooding. Describe how flooding affects communities. Explain how to change a solid into a liquid. Describe you how to turn a liquid into a gas. Explain where the processes of evaporation and condensation are involved in the water cycle. Explain that the water cycle keeps going. Use the words condensation and precipitation to explain why it rains. Use the words evaporation and condensation to explain why clouds form. Explain some of the steps involved in cleaning water.</p>	<p>and early railway lines. Explain locomotive technology in greater detail showing an understanding of how they work and comparing the similarities and differences of the different types. Have a chronological understanding of how locomotives and the railway network changed over time and a comprehensive understanding of the contribution by significant individuals. Confidently debate the positive and negative effects of the railways on different aspects of society. Describe the different locomotive technologies that have developed over time. Explain both positive and negative effects of the railways.</p>	<p>need from a settlement site Explain that settlements have been built at different times in history. List different types of land use Identify land use using a digital map Use a key to identify transport links on maps. Use an atlas to find a route between two places. Draw a map of a settlement Create a key for a map. Identify patterns of historical settlement using maps. Describe directions of travel using the eight compass points. Sort settlers' needs by importance. Identify reasons settlers have chosen a site. Identify features of a good settlement site. Explain that some settlements were built by invaders.</p>
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						Identify who built a settlement from clues in its name. Identify similarities and differences between land use in different places.
<b>Science</b>	<p><b>Living Things and Habitats</b> Recognise the variety of ways that living things can be grouped, sorted and classified. Identify similarities and differences between living things. Recognise and classify vertebrate animals into mammals, birds, reptiles, amphibians and fish. Describe the characteristics of different invertebrate groups. Use and create classification keys to help group living things.</p> <p><b>Working Scientifically:</b> asking relevant questions and using</p>	<p><b>Animals including Humans</b> Expand on their learning from year 3 about how animals, including humans, need to get nutrition from what they eat. Explore the different organs of the digestive system in humans and the functions of teeth in both humans and animals. Learn about the different types of teeth and the importance of good dental hygiene, plan and carry out an investigation into tooth decay using an egg as a model tooth. Learn about</p>	<p><b>Electricity</b> Explore common electrical appliances and how to construct simple series circuits. Learn about cells, wires, bulbs and buzzers and about the different types of switches. Troubleshoot and identify whether or not a bulb will light in a simple series circuit and be able to identify a complete circuit. Learn about conductors and insulators and know that metals are very good electrical conductors</p>	<p><b>States of Matter</b> Describe the properties of solids, liquids and gases. Explain that melting and freezing are opposite processes that change the state of a material. Identify the melting and freezing point of several different materials. Explain that heating causes evaporation and cooling causes condensation. Explain that evaporation and condensation are opposite processes that change the state of a material. Explain that the higher the temperature, the quicker water evaporates. Explain</p>	<p><b>Sound</b> Explain how sound sources vibrate to make sounds. Explain how vibrations change when the loudness of a sound changes. Explain how sounds travel to reach our ears. Describe the pitch of a sound. Describe patterns between the pitch of a sound and the features of the object that made the sound. Explain how sound travels through a string telephone. Identify the best material for absorbing sound. Create a musical instrument that can play high, low, loud and quiet sounds.</p>	<p><b>Scientists and Inventors</b> Recall key facts about Alexander Graham Bell's life and work and present findings to a group. Describe the achievements of Maria Telkes, explaining simply why solar power is a good source of energy. Discuss the achievements of Garrett Morgan facts about the scientists who discovered oxygen and explain the effect of oxygen on burning. Explore Lord Kelvin's work, take temperatures and convert from Celsius to Kelvin. Explain how inventions by</p>

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	<p>different types of scientific enquiries to answer them. Setting up simple practical enquiries, comparative and fair tests. Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers. Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions. Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations,</p>	<p>the parts and functions of individual organs of the human digestive system and carry out their own scientific demonstration of the process using everyday household items. Learn about herbivores, carnivores and omnivores in the context of teeth, digestion and food chains. Extend their understanding of food chains from key stage 1 to include more complex chains, using the terms 'consumers' and 'producers' and compare food chains in different habitats. Finally, children will compare the teeth of different types of animals and apply their understanding to make links with their role in the food chain.</p>	<p><b>Working Scientifically:</b></p> <p>Asking relevant questions and using different types of scientific enquiries to answer them.</p> <p>Setting up simple practical enquiries, comparative and fair tests.</p> <p>Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers. Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions. Recording findings using simple scientific language,</p>	<p>what happens to water at the different stages of the water cycle.</p> <p><b>Working Scientifically:</b></p> <p>asking relevant questions and using different types of scientific enquiries to answer them. Setting up simple practical enquiries, comparative and fair tests. Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers. Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.</p>	<p><b>Working Scientifically:</b></p> <p>asking relevant questions and using different types of scientific enquiries to answer them. Setting up simple practical enquiries, comparative and fair tests. Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers. Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions. Recording findings using simple scientific language, drawings, labelled diagrams,</p>	<p>inventors, such as Thomas Edison and Lewis Latimer, changed people's lives. Explore the invention of toothpaste and compare the effectiveness of different toothpastes.</p>
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	<p>displays or presentations of results and conclusions. Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions, identifying differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings.</p>		<p>drawings, labelled diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</p> <p>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions, identifying differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings.</p>	<p>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</p> <p>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions, identifying differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings.</p>	<p>keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</p> <p>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions, identifying differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings.</p>	
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<b>ICT</b>	<b>Online Safety &amp; Digital Literacy</b> Cyberbullying Risks of disclosing personal information Risks of viruses Security and Firewalls	<b>Word Processing Keyboard Typing Skills</b> Children will learn how to touch type using both hands. Children will learn how to add punctuation and how to format and edit stories and poems.	<b>Photo Software Photo editing</b> To explore the interface of Paint for photo editing. To practice inserting, cropping and changing colors. To practice applying filters and using layers. Children will create digital posters and greeting cards.	<b>Using the Internet Research</b> Using search engines Finding reliable information. Saving information	<b>Communication and Collaboration PowerPoint</b> Children will learn how to add titles, slides and basic animation to create simple PowerPoints. Children will combine their knowledge of typing skills, photo editing and data presentation to create a PowerPoint presentation.	<b>Using and Applying Data Presentation Bar Chart and Graphs</b> Children will learn how to input numerical data to create simple bar charts and graphs.
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