

Curriculum map – green writing indicates themes not topic titles

Year 1

	Science	Computing	History	Geography	DT	Art	Music	PE
Autumn Forest School School Play Our school	Plants - Inv Seasonal Changes - Inv Length/height Word meanings. Draw on previous experience.	Recording and editing 2 Image manipulation 2 Music making 2 Understanding algorithms 2 Programming 1	Changes within living memory Add and subtract 1 and 2 digit numbers Link what they read or hear read to their own experiences	Location of school UK countries and cities Place knowledge – UK Vocabulary Atlases maps and globes Simple directions Whole, half, quarter and three-quarter turns Maps and aerial photographs Word meanings. Draw on previous experience.	Construction Multiples of 2, 5, 10. 3D shape Word meanings. Draw on previous experience. Discuss and clarify meanings of words (tech vocab)	3D shape Collage and junk sculpture	Fractions – half; quarter Sound maps Singing Everyday sounds	Number bonds; Skipping Attacking and defending Throwing & catching
Spring Seasons	Seasonal changes - Inv Everyday materials - Inv Word meanings. Draw on previous experience	School rules and reporting worries Technology in school Technology at home Technology all around us Technology in		Seasons and weather Capacity and volume Forest School Vocabulary Atlases maps and globes Simple directions	Where food comes from Card tech Construction Discuss and clarify meanings of words (tech vocab).	2D shape Drawing Collage Textiles	Faster and slower Percussion instruments, singing Vivaldi Time (rhythm) Poetry (rhythm)	Count forward and back; whole, half, quarter and three-quarter turns Dance Throwing & catching

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		the workplace		Position and direction; Maps and aerial photographs word meanings. Draw on previous experience				
Summer	Animals including humans - Inv Plants - Inv Seasonal changes - Inv Mass/ weight Word meanings. Draw on previous experience.	Recording and editing 1 Image manipulation 1 Music making 1 Understanding algorithms 1	Famous person (explorers) Inference and predictive skills. Sequence ideas to form chronological based writing.	North and South Poles more and less; Vocabulary Atlases maps and globes Simple directions Maps and aerial photographs Word meanings. Draw on previous experience.	Construction Multiples of 2, 5, 10. 3D shapes Word meanings. Draw on previous experience. Discuss and clarify meanings of words (tech vocab)	Whole, half, quarter and three-quarter turns Clay Drawing 3D junk sculpture	Singing Sound journeys/maps	More and less Faster and slower Running Jumping Balancing
Explorers								

Place value - Read and write numbers; use objects and pictorial representations of numbers inc. numberline; equal; most; least;

Addition and subtraction – number sentences (+/-/=);missing numbers

Multiplication and division – one step problems with equipment (mult/divi); arrays

Time – hours, minutes, seconds

Develop pleasure in reading, motivation to read, vocabulary and understanding

Apply phonics skills and knowledge. Learn common exception words.

Learning to appreciate rhymes and poems and to recite some by heart.

Ensure that the children have opportunities to listen to and appreciate a range of texts that are beyond their reading capabilities.

Write sentences – rehearse orally first. Sequencing of ideas in narrative writing.

Develop skills necessary for good handwriting.

Leave spaces between words; basic punctuation and capital letters; using ‘and’ as a conjunction.

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Year 2

	Science (Autumn 2015)	Computing	History	Geography	DT	Art	Music	PE
Autumn Great Fire	Use of every day materials - Inv Odd and even; questioning about collected data Word meanings. Draw on previous experience Non-fiction books. Prediction and inference skills.	Recording and editing video 2 Word processing 2 Creating presentations 2 Collecting and storing data 1	Events beyond living memory (Great Fire) Famous person (Samuel Pepys) Capacity; number line; sequence intervals of time; 2D shape Right angles Non-fiction books. Prediction and inference skills. Writing about real events, drawing upon personal experiences and those of others	Vocabulary Atlases maps and globes Simple directions Language of position and direction Maps and aerial photographs Basic symbols for keys Word meanings. Draw on previous experience	Construction addition commutative and subtraction not; 3D shape Discuss sequence of events and how items of info are related. Discuss and clarify meanings of words (tech vocab) Planning and evaluating skills in writing. Proof reading to check for errors	Painting, collage	Singing rounds Expression Sound patterns	+&- facts; Basketball Gymnastics – jumping, balancing
Spring Being healthy	Plants - Inv Humans tens and units; length and height; mass; Word meanings. Draw on	Collecting and storing data 2 Programming 2 Logical reasoning (bee-bots) Turns		Vocabulary Atlases maps and globes Simple directions Maps and aerial photographs	Healthy diet Arrays; Fractions of a number; Pounds and pence Construction	Fractions of shape Patterns Symmetry Drawing	Singing	2,5,10 multiplication and division facts Basketball Running and athletic skills

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	<p>previous experience. Non-fiction books. Prediction and inference skills.</p>			<p>Basic symbols for keys Word meanings. Draw on previous experience.</p>	<p>Discuss sequence of events and how items of info are related. Discuss and clarify meanings of words (tech vocab). Proof reading to check for errors.</p>			
<p>Summer</p> <p>Animals</p>	<p>Animals - Inv Living things and their habitats - Inv Pounds and pence; Data collection Word meanings. Draw on previous experience. Non-fiction books. Prediction and inference skills.</p>	<p>Stranger danger Recording and editing video 1 Word processing1 Creating presentations 1</p>		<p>Continents and oceans Place knowledge – non-European Hot and cold areas – equator greater and less than; temperature; clockwise and anti-clockwise (seasonal) Vocabulary Atlases maps and globes Simple directions Maps and aerial photographs Basic symbols for keys Word meanings, link with familiar</p>	<p>Card tech Construction Fractions of shape Discuss sequence of events. Discuss and clarify meanings of words (tech vocab) Proof reading to check for errors.</p>	<p>Line symmetry Patterns Chalk and charcoal Sculpture Artists - Andre Masson, Henry Moore</p>	<p>Saint-Saens Orchestra, timbre, listening counting in steps of 2,3,5 and 10 forward and back singing</p>	<p>Basketball Dance $\frac{1}{3}$; $\frac{1}{4}$; $\frac{2}{4}$; $\frac{3}{4}$ turns</p>

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				words. Draw on previous experience				
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Place value – counting in steps of 2,3,5 and 10 forward and back; order numbers; equals; read and write numerals as words and numbers; use place value.

Addition and subtraction –solve add and subtract problems; mental and written methods; two and one digit numbers; inverse

Multiplication and division- use signs; commutative multiplication

Fractions – $\frac{1}{3}$; $\frac{1}{4}$; $\frac{2}{4}$; $\frac{3}{4}$ (length, shape objects or quantity); simple equivalents.

Time – tell and write time to five minutes; quarter hours

Develop pleasure in reading, motivation to read, vocabulary and understanding using an increasingly challenging range of texts.

Continue to apply phonics skills and knowledge. Learn further common exception words.

Continue to build up a repertoire of poems learnt by heart.

Check that text makes sense to them when reading. Self-correcting inaccurate reading where appropriate.

Reflect upon personal reading experience, including choices of reading material and preferences.

Ensure that the children have opportunities to listen to and appreciate a range of texts that are beyond their reading capabilities.

Use different strategies in the teaching of spellings.

Form letters and digits of correct size and orientation and relationship to one another.

Develop positive attitudes towards and stamina for writing for different purposes.

Practise and extend range of punctuation, including use of the possessive apostrophe. Use present and past tense; sentences in different forms; expanded noun phrases; connectives used for co-ordination and subordination.

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Year 3

	Language	Science	Computing	History	Geography	DT	Art	Music	PE
Autumn Stone age to Iron age Light	Begin to say nouns, verbs and adjectives. Multiples of 4,8,50, 100; Songs Colour Size Traditions	Rocks - Inv Mass bar charts; pictograms and tables Light (Diwali and Christmas)- Inv 12 and 24 hour clock Non-fiction books for research. Inference and prediction skills developed using evidence to justify opinions.	Cyberbullying Your digital footprint Web-based communication Research skills 1 – school network	Stone Age to Iron Age Duration of events. Non-fiction books for research. Poems and playscripts	Volcanoes and Earthquakes Maps, atlases, globes Digital computer mapping to locate Non-fiction books for research. Prediction and inference skills	Construction kits Card technology (Christmas) 2D shape Construction Discuss and clarify meanings of words (tech vocab) Predicting what might happen from details stated and implied. Language, structure and presentation Proof reading. Simple organisational devices.	painting, textiles & printing, clay Artist - Peter M Clarke sketchbooks	Singing Early instruments Junk orchestra	Football Gymnastics Hockey Dance
Spring Brentwood	Begin to say nouns, verbs and adjectives. Directions	Electricity - Inv Non-fiction books for research. Inference and prediction skills	Music making 3 Word publishing 3	Local history Duration of events. Change in money; bar charts;	Location knowledge of UK Topographical features 4 figure grid reference	Mouldable materials Meanings of words (tech vocab) Predicting	Observational drawing Landscape painting Collage	Vaughan Williams Folk music Singing	Hockey Rugby Gymnastics

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	<p>Singing</p> <p>School everyday objects</p> <p>Conversation about where we live</p>	<p>developed using evidence to justify opinions.</p>		<p>pictograms and tables</p> <p>Non-fiction books for research.</p> <p>Inference and prediction skills developed using evidence to justify opinions.</p>	<p>Fieldwork</p> <p>Length</p> <p>Maps, atlases, globes</p> <p>Perimeter of 2D</p> <p>Orientation of shapes</p> <p>Digital computer mapping to locate</p> <p>Non-fiction books for research.</p> <p>Inference and prediction skills developed using evidence to justify opinions</p>	<p>what might happen from details stated and implied.</p> <p>Identifying how language, structure and presentation contribute to meaning.</p> <p>Proof reading.</p> <p>Using simple organisational devices.</p>	<p>Artist - Peter Blake, Hockney</p> <p>sketchbooks</p>		
<p>Summer</p> <p>Romans</p>	<p>Begin to say nouns, verbs and adjectives.</p> <p>Bar charts; pictograms and tables</p> <p>Family</p>	<p>Forces and magnets - Inv</p> <p>Non-fiction books for research.</p> <p>Inference and prediction skills developed using evidence to justify opinions.</p>	<p>Research skills 2 – web-based</p> <p>Recording and editing audio</p> <p>Programming – sequence and selection (Modules 1,2 & 3)</p>	<p>Romans</p> <p>Three digit numbers (+/-), duration of events;</p> <p>Roman numerals – time</p> <p>Familiar stories/ myths and legends.</p> <p>Poems and playscripts.</p>	<p>Region of UK (Colchester/Castle Hedingham)</p> <p>Types of settlement</p> <p>Perpendicular and parallel</p> <p>Maps, atlases, globes</p> <p>Digital computer mapping to locate</p> <p>Non-fiction books for research.</p> <p>Inference and prediction skills developed using evidence to justify opinions</p>	<p>Food</p> <p>Fractions</p> <p>3D shape</p> <p>Meanings of words (tech vocab)</p> <p>Predicting what might happen from details stated and implied.</p> <p>Identifying how language, structure and presentation contribute to meaning.</p> <p>Proof reading</p>	<p>3D shape (clay/mosaic/castles)</p> <p>Mosaic, clay relief pots, drawing</p> <p>sketchbooks</p>	<p>Instruments – sounds and images</p> <p>Drumming</p>	<p>Tennis</p> <p>Athletics</p>

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						to check for errors. Simple organisational devices			
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Place value – multiples of 4,8,50, 100; more or less; hundreds tens and units; order and write to 1000;

Addition and subtraction –inverses

Multiplication and division – 3,4,8 times tables; written methods

Fractions – tenths; add and subtract fractions

Measurement – tell time accurately;

Shape –angles; perimeter of 2D

Statistics –questions of data

Apply knowledge of root words, prefixes and suffixes. Extend knowledge of exception words.

Using dictionaries.

Identifying themes and conventions in a range of books.

Listening to and discussing a wide range of fiction and non-fiction texts.

Retelling of some familiar stories/ myths and legends orally.

Preparing poems and playscripts to read aloud and perform, showing an awareness of audience.

Recognising some different forms of poetry.

Inference and prediction skills developed using evidence to justify opinions.

Identify how language, structure and presentation contribute to meaning.

Use further prefixes and suffixes correctly. Spell further homophones. Spell commonly misspelt words.

Possessive apostrophe with regular and irregular plurals.

Use of dictation to consolidate GPS skills.

Develop planning techniques in writing, using similar genres to help with modelling structure, grammar and vocabulary.

Draft ideas to help inform writing, focusing on purpose, vocabulary and structure, (including paragraphs).

Evaluate and edit their own and others' writing.

Extend range of sentences with more than one clause by using a wider range of conjunctions.. Use fronted adverbials.

Use of direct speech.

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Year 4

	Language	Science	Computing	History	Geography	DT	Art	Music	PE
Autumn Anglo-saxons and Scots	Begin to say phrases using familiar vocabulary Singing	Sound – main study - Inv Electricity Forces and magnets (Y3 – recap) Non-fiction books for research. Prediction and inference skills	Data security Targeted advertising Collecting, storing and using data 3	Anglo-Saxons and Scots Duration of events Read Roman numerals to 100 Familiar stories/ myths and legends orally. Poems and playscripts’ performance. Different forms of poetry. (Kennings; Beowulf)	European map work Maps, atlases, globes Digital computer mapping to locate Non-fiction books for research. Inference and prediction skills developed using evidence to justify opinions.	Textiles - weaving Construction Meanings of words (tech vocab) Predicting what might happen from details stated and implied. language, structure and presentation. Proof reading. Simple organisational devices	Collage Textiles sketchbooks	Singing Singing – raps Words and music linked to electricity rhythm	Swimming Basketball
Spring School Play Vikings & story-telling	Begin to say phrases using familiar vocabulary	Animals, including humans Living things and their habitats - Inv Interpret and present discrete and continuous	Research skills 3 – using databases Recording and editing video 3 (play rehearsals & performance)	Vikings Thousands Hundreds Tens and Units Familiar stories/ myths and legends orally. Preparing poems and playscripts to	European map work Types of settlement Maps, atlases, globes Digital computer mapping to locate Coordinates in first quadrant Non-fiction books	Electricity Card tech Construction Meanings of words (tech vocab) Predicting what might happen from details stated and implied.	Sculpture Pattern - classify geometric shapes; quadrilaterals and triangles; angles; symmetry sketchbooks	Singing Percussion	Swimming Dance

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		data Non-fiction books for research. Prediction and inference skills		read aloud and perform	for research. Inference and prediction skills developed using evidence to justify opinions.	language, structure and presentation. Proof reading Simple organisational devices.			
Summer Tudors Cooking (can be within the Tudor work)	Begin to say phrases using familiar vocabulary Plants Food and Cooking Numbers Compass directions	States of matter - Inv Convert length Non-fiction books for research. Prediction and inference skills	Spreadsheets 1-calculating data Programming – repetition (Module 4)	Tudors Thousands Hundreds Tens and Units Preparing poems and playscripts to read aloud and perform, showing an awareness of audience. (Shakespeare's plays and sonnets).	North America Longitude/latitude The tropics, etc Trade links 8 point compass work Maps, atlases, globes Digital computer mapping to locate Non-fiction books for research. Inference and prediction skills developed using evidence to justify opinions.	Cooking Construction Meanings of words (tech vocab) Predicting what might happen from details stated and implied. Language, structure and presentation. Proof reading. Simple organisational devices	Drawing, pastels, printing, collage, wet on wet painting, textiles, clay, textiles, collage, drawing. Artists – Georgia O'Keefe, Andre Masson, Angela Lewin, Nolde, David Maitland, Van Gogh, Kaseguma, Holbein sketchbooks	Singing Lionel Bart Recorders Tuned percussion Singing	Swimming Rounders/ athletics

Place value – multiples of 6, 7, 9, 25 and 1000; more or less; count backwards to negative numbers; order and compare numbers beyond 1000; rounding to nearest 10, 100 or 1000

Addition and Subtraction - 4 digit numbers; formal written methods; inverse

Multiplication and division – up to 12x12; written methods; multiplying several numbers; factor pairs and commutativity

Fractions – hundredths, tenths; add and subtract fractions; decimal equivalents; rounding decimals; two decimal places

Measurement – km/m, time hours/minutes/seconds; perimeter; area; money; 12-and -24 hour clocks

Geometry – classify geometric shapes; quadrilaterals and triangles; angles; symmetry

Position and direction – translations; plot and draw shapes

Statistics – bar charts/ time graphs/pictograms/tables

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Apply knowledge of root words, prefixes and suffixes. Extend knowledge of exception words.

Using dictionaries.

Identifying themes and conventions in a range of books.

Listening to and discussing a wide range of fiction and non-fiction texts.

Retelling of some familiar stories/ myths and legends orally.

Preparing poems and playscripts to read aloud and perform, showing an awareness of audience.

Recognising some different forms of poetry.

Inference and prediction skills developed using evidence to justify opinions.

Identify how language, structure and presentation contribute to meaning.

Use further prefixes and suffixes correctly. Spell further homophones. Spell commonly misspelt words.

Possessive apostrophe with regular and irregular plurals.

Use of dictation to consolidate GPS skills.

Develop planning techniques in writing, using similar genres to help with modelling structure, grammar and vocabulary.

Draft ideas to help inform writing, focusing on purpose, vocabulary and structure, (including paragraphs).

Evaluate and edit their own and others' writing.

Extend range of sentences with more than one clause by using a wider range of conjunctions. Use fronted adverbials.

Use of direct speech.

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Year 5

	Language	Science	Computing	History	Geography	DT	Art	Music	PE
Autumn Rivers and the Nile	Begin to read phrases that can already be spoken	Living things and their habitats – Inv Fractions Non-fiction books for research. Prediction and inference skills. Retrieve, record and present information from non-fiction.	Multimedia projects 1 – powerful presentations (Ancient Egypt/ivers) Gaming and the internet	Ancient Egypt 3D shapes Metric and imperial Increasing familiarity with myths and legends, and books from other cultures and traditions	Rivers, Capacity mountains Water cycle Maps, atlases, globes Digital computer mapping to locate	Cams, levers, pulleys Length km/m, cm/mm, weight g/kg Angles Computer programming for models Construction Meanings of words (tech vocab) Wide range of reference books to aid research. Compare effectiveness of these texts. Identify how language, structure and presentation contribute to meaning. Planning skills. Develop evaluating skills in own and others' writing.	painting; paint/pen Clay Collage Drawing sketchbooks	Note patterns Keyboards Singing Handel (water music)	Rugby Basketball Dance

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						Proof reading. Organisational devices.			
Spring	Begin to read phrases that can already be spoken	Earth and Space Read and write numbers to 1 000 000; Perimeter; Time: 12-and - 24 hour clocks Properties and changes to materials - Inv Non-fiction books for research. Prediction and inference skills. Retrieve, record and present information from non-fiction.	Respecting copyright Spreadsheets 2 - solving problems Image manipulation (planets)	Measures Learning a wider range of poetry by heart. Preparing poems and plays to read aloud and perform. Retrieve, record and present information from non-fiction.	World and European map work Maps, atlases, globes Digital computer mapping to locate Non-fiction books for research. Prediction and inference skills. Retrieve, record and present information from non-fiction.	Card tech Perimeter and area Construction Convert length km/m, cm/mm Meanings of words (tech vocab) Wide range of reference books to aid research. Compare effectiveness of these texts. Identify how language, structure and presentation contribute to meaning. Planning skills Evaluating skills Proof reading Organisational devices	painting landscapes collage Artists – Hundertwasswer, Marlow Yancy sketchbooks	Holst Composition Singing	Hockey Gymnastics
Summer	Begin to read phrases that can already be	Animals including humans (1/2weeks)	Programming – inputs, outputs and variables (Modules 5&6)	Ancient Greece Measure time/distance	A region of a European country Maps, atlases,	Electricity (Y6) Construction Angles	Chalk and charcoal Drawing Clay	Singing Instruments	Cricket/ rounders Athletics

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<p>Living creatures</p> <p>Ancient Greece</p>	<p>spoken</p>	<p>Forces - Inv Interpret data Non-fiction books for research. Prediction and inference skills. Retrieve, record and present information from non-fiction.</p>		<p>Increasing familiarity with myths and legends, and books from other cultures and traditions. Retrieve, record and present information from non-fiction.</p>	<p>Globes Digital computer mapping to locate Non-fiction books for research. Prediction and inference skills. Retrieve, record and present information from non-fiction.</p>	<p>Meanings of words (tech vocab) Range of reference books to aid research. Compare effectiveness of these texts. Language, structure and presentation. Develop planning skills by drawing on reading and research. Develop evaluating skills in own and others' writing and suggesting improvements. Proof reading. Organisational devices.</p>	<p>Pastel/collage, Press prints, Sculpture. Textiles</p> <p>Artist – Caravaggio Rosina Wachtmeister triangles ; Chagall; Henry Moore</p> <p>sketchbooks</p>		
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Place value – count forwards/backwards in powers of 10; negative numbers; rounding to nearest 10, 100, 1000, 10 000 and 100 000; read Roman numerals to 1000 (M) and years

Addition and Subtraction - 4+ digit numbers; formal written methods; inverse; rounding

Multiplication and division – multiples and factors; written methods; multiplying several numbers; factor pairs/ commutativity/ common factors; prime numbers up to 100/factors; short division; square and cube numbers

Fractions – compare and order fractions; add and subtract fractions; decimal numbers as fractions; decimal equivalents; rounding decimals; three decimal places; mixed numbers/improper fractions; multiply proper fractions and mixed numbers; tenths hundredths thousandths; percentages and decimals

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Measurement – convert measures, capacity l/ml; area; volume; money;

Geometry –; missing lengths/angles; angles in polygons

Position and direction – reflection and translation

Statistics –line graphs; tables/timetables

Reading books that are structured in a variety of ways and reading for a variety of purposes.

Recommending books that they have read to their peers, justifying the reasons for their choices.

Identifying themes and conventions in and across a wide range of writing.

Summarising main ideas drawn from more than one paragraph.

Identifying how language, structure and presentation contribute to meaning.

Formally present and debate topics raised in their reading matter, using notes where necessary.

Extend knowledge of a variety of spelling patterns and distinguish between homophones.

Use a dictionary and thesaurus appropriately.

Planning their writing by identifying the audience for and purpose of their writing, then selecting the appropriate form.

Draw upon similar models of writing as support when planning their own. Consider the author's technique of writing regarding character and setting development.

Select appropriate grammar and vocabulary when drafting their own writing. Use a wide range of devices to structure text and to guide the reader, such as headings, bullet points, and cohesion within and across paragraphs.

Assessing the effectiveness of their own and others' writing, proposing changes to vocabulary, grammar and punctuation where necessary.

Ensuring consistent and correct use of verb tense throughout a piece of writing.

Distinguishing between a formal and informal tone in writing and choosing the appropriate register. Recognise subjunctive forms for formal speech and writing.

Proof-reading for spelling and punctuation errors. Ensuring correct subject and verb agreement when using singular and plural.

Performing their own compositions, using appropriate intonation, volume and movement.

Use and understand the grammatical terminology appropriate to their year group in English Appendix 2 accurately in discussing their writing and reading.

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<p>Mayan Civilisation or other early contrasting non-European civilisation from NC</p>	<p>phrases that can be spoken and read already</p>	<p>study reference to residential) - Inv Non-fiction books for research. Prediction and inference skills. Retrieve, record and present information from non-fiction.</p>	<p>website design</p>	<p>and 3D shapes circles-radius/diameter /circumference Myths and legends, and books from other cultures and traditions. Retrieve, record and present information from non-fiction.</p>	<p>Natural resources Maps, atlases, globes Digital computer mapping to locate Non-fiction books. Prediction and inference skills. Retrieve, record and present information from non-fiction.</p>	<p>Evaluating skills Proof reading Organisational devices</p>	<p>circles-radius/diameter /circumference Clay Textiles/felt Fine line pen Sketch books</p>	<p>instruments Okarinas</p>	
<p>Summer School Play</p> <p>Evolution</p> <p>Technology</p>	<p>Begin to write familiar phrases that can be spoken and read already</p>	<p>Evolution and inheritance Animals including humans Investigation skills summarised Fractions Construct pie charts and line graphs</p>	<p>Programming – putting it all together (Module 7) Webcams</p>		<p>Maps, atlases, globes Digital computer mapping to locate Non-fiction books for research. Prediction and inference skills. Retrieve,</p>	<p>Computing Construction Cooking Scale Meanings of words (tech vocab) Wide range of reference books to aid research. Identify how language, structure and</p>		<p>History of instruments</p>	<p>Rounders/cricket Athletics</p>

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		<p>Non-fiction books for research. Prediction and inference skills. Retrieve, record and present information from non-fiction. Formally present and debate topics</p>			<p>record and present information from non-fiction.</p>	<p>presentation contribute to meaning. Planning skills Evaluating skills Proof reading Organisational devices</p>			
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Place value – read and write numbers to 10 000 000; negative numbers; rounding

Addition and Subtraction - formal written methods; mixed operations with large numbers; problems in context

Multiplication and division – multiples and factors; written methods; multiplying several numbers; factor pairs/ commutativity/ common factors; prime numbers up to 100; short and long division.

Fractions – compare and order fractions; simplify; add and subtract fractions; multiply and divide proper fractions; decimal numbers as fractions; decimal equivalents; rounding decimals; three decimal places; mixed numbers/improper fractions; multiply proper fractions and mixed numbers; tenths hundredths thousandths; fractions, percentages and decimals

Ratio and Proportion – missing values; percentage; fractions

Algebra – formulae; sequences; missing number; equation; all possibilities

Measurement – convert length, mass, volume and time; miles and kilometres; metric and imperial; perimeter; area; volume; formulae; cubic centimetres/metres;

Geometry –triangles; quadrilaterals; polygons; missing lengths/angles

Statistics – averages

Reading books that are structured in a variety of ways and reading for a variety of purposes.

Recommending books that they have read to their peers, justifying the reasons for their choices.

Identifying themes and conventions in and across a wide range of writing.

Summarising main ideas drawn from more than one paragraph.

Identifying how language, structure and presentation contribute to meaning.

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Formally present and debate topics raised in their reading matter, using notes where necessary.

Extend knowledge of a variety of spelling patterns and distinguish between homophones.

Use a dictionary and thesaurus appropriately.

Planning their writing by identifying the audience for and purpose of their writing, then selecting the appropriate form.

Draw upon similar models of writing as support when planning their own. Consider the author's technique of writing regarding character and setting development.

Select appropriate grammar and vocabulary when drafting their own writing. Use a wide range of devices to structure text and to guide the reader, such as headings, bullet points, and cohesion within and across paragraphs.

Assessing the effectiveness of their own and others' writing, proposing changes to vocabulary, grammar and punctuation where necessary.

Ensuring consistent and correct use of verb tense throughout a piece of writing.

Distinguishing between a formal and informal tone in writing and choosing the appropriate register. Recognise subjunctive forms for formal speech and writing.

Proof-reading for spelling and punctuation errors. Ensuring correct subject and verb agreement when using singular and plural.

Performing their own compositions, using appropriate intonation, volume and movement.

Use and understand the grammatical terminology appropriate to their year group in English Appendix 2 accurately in discussing their writing and reading.