



Year 5 Curriculum 2018 – 2019



Year 5 Long Term Overview 2018/19 – Ingrid Cook & Emma Clark

Term 1 – TOPIC – Out of this World

Wow Event – Tim Peake rocket visit/ Space Centre

English	Maths	Science	Computing	Art/DT	History/ Geography	Music	French	PSHE	PE	RE
-Cross-curricular writing (PHSE, different genres) -Significant Author -Non-chronological report (& digital media)	Number- Place Value Addition and Subtraction	Earth, Moon and Space	Coding E-Safety	Clay pot- linked to PSHE	Our Earth	3 weeks- exploring mood through 3 weeks- recognising notation music	Jolie Ronde Scheme of work	Being me and My World	Swimming	LAS Compulsory Being Human – Hinduism/Islam

Term 2 – TOPIC – Sutton Hoo?

Wow Event – Anglo-Saxon visitor

English	Maths	Science	Computing	Art/DT	History/ Geography	French	Music	PSHE	PE	RE
Myths and Legends (& digital media & significant authors) Persuasion Formal letters	Statistics Multiplication and Division Perimeter and Area	Forces	Spreadsheets E-Safety	Sculpture= masks linked to History and English 'Beowulf'	Anglo-Saxons	Jolie Ronde Scheme of work	4 weeks- Composition on a stave 2 weeks- relationship between sounds (louder/quieter/layering)	Celebrating Differences (incl Anti-bullying)	Swimming	LAS Compulsory Being Human – Hinduism/Islam



Term 3 – TOPIC- Vicious Vikings

Wow Event – Longboat burning & Bikeability

English	Maths	Science	Computing	Art/DT	History/ Geography	French	Music	PSHE	PE	RE
Cultural stories/folk tales Recount- (newspaper report)	Multiplication and Division Fractions	Properties and Materials	Databases E-Safety	Practical skills= 'Materials' and 'Construction' Viking long boat	Anglo-Saxon/Viking struggle	Jolie Ronde Scheme of work	Compare and evaluate different kinds of music =link to Spine document	Dreams and Goals	Swimming catch up	Salvation What difference does the resurrection make for Christians?

Term 4 – TOPIC Vicious Vikings

Wow Event – Viking artefacts (tbc)

English	Maths	Science	Computing	Art/DT	History/ Geography	Music	French	PSHE	PE	RE
Instructions/ recipes Poetry- Highwayman Fantasy/sci-fi story & Digital media	Fractions Decimals and Percentages	Reversible and irreversible changes	Game Creator E-Safety	Practical skills 'Construction' and 'Mechanics'= rotary to linear motion. Cooking- Viking bread	Vikings	Understand cultural differences in music	Jolie Ronde Scheme of work	Healthy Me		Incarnation Was Jesus the Messiah?



Term 5 - TOPIC - Raging Rivers

Wow Event – Residential

English	Maths	Science	Computing	Art/DT	History/ Geography	Music	French	PSHE	PE	RE
Discussion texts Performance poetry (1 week) Narrative (2weeks)	Decimals Geometry	Living things and their habitats	Modelling E-Safety	Painting= Rivers	Rivers and Mountains	-Recognise and create repeated patterns -use sound to create abstract effects (use repeated patterns)	Jolie Ronde Scheme of work	Relationships		LAS Additional Expressing Beliefs through the Arts (including Christianity)

Term 6 – TOPIC – Raging Rivers

Wow Event – Production

English	Maths	Science	Computing	Art/DT	History/ Geography	Music	French	PSHE	PE	RE
Classical text – Oliver Twist. Poetic Style and performance Poetry- link to Rivers	Geometry Measurement Volume	Animals, including humans	Concept maps E-Safety	Printing Cooking	Rivers and Mountains	Singing and performing.	Jolie Ronde Scheme of work	Changing Me		Continuing



Year 5/6 English Curriculum 2018/19 Statutory Requirements

Spoken Language	
<p><i>Pupils should be taught to:</i></p> <ul style="list-style-type: none"> ▪ give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings ▪ speak audibly and fluently with an increasing command of Standard English ▪ consider and evaluate different viewpoints, attending to and building on the contributions of others ▪ select and use appropriate registers for effective communication. ▪ ask relevant questions to extend their understanding and knowledge ▪ use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas 	
Reading – Word Recognition	Reading - Comprehension
<p><i>Pupils should be taught to across Upper KS2:</i></p> <ul style="list-style-type: none"> ▪ apply their growing knowledge of root words, prefixes and suffixes (morphology and etymology), as listed in Spelling Progression Document both to read aloud and to understand the meaning of new words that they meet. 	<p><i>Pupils should be taught to across Upper KS2:</i></p> <ul style="list-style-type: none"> ▪ maintain positive attitudes to reading and understanding of what they read by: ▪ continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks ▪ reading books that are structured in different ways and reading for a range of purposes ▪ increasing their familiarity with a wide range of books, including myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions recommending books that they have read to their peers, giving reasons for their choices ▪ identifying and discussing themes and conventions in and across a wide range of writing ▪ making comparisons within and across books ▪ learning a wider range of poetry by heart ▪ preparing poems and plays to read aloud and to perform, showing understanding through intonation, tone and volume so that the meaning is clear to an audience ▪ understand what they read by: ▪ checking that the book makes sense to them, discussing their understanding and exploring the meaning of words in context ▪ asking questions to improve their understanding ▪ drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence ▪ predicting what might happen from details stated and implied ▪ summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas ▪ identifying how language, structure and presentation contribute to meaning ▪ discuss and evaluate how authors use language, including figurative language, considering the impact on the reader ▪ distinguish between statements of fact and opinion, and retrieve, record and present information from non-fiction ▪ participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously ▪ explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary ▪ provide reasoned justifications for their views.



Writing - Transcription	Writing - Handwriting	Writing – Vocabulary, Grammar and Punctuation	Writing - Composition
<p>Spelling <i>Pupils should be taught to:</i></p> <ul style="list-style-type: none"> ▪ use further prefixes and suffixes and understand the guidance for adding them ▪ spell some words with ‘silent’ letters [for example, knight, psalm, solemn] ▪ continue to distinguish between homophones and other words which are often confused ▪ use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in Spelling Progression ▪ use dictionaries to check the spelling and meaning of words ▪ use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary ▪ use a thesaurus. 	<p><i>Pupils should be taught to:</i></p> <ul style="list-style-type: none"> ▪ write legibly, fluently and with increasing speed by: ▪ choosing which shape of a letter to use when given choices and deciding whether or not to join specific little ▪ choosing the writing implement that is best suited for a task. 	<p><i>Pupils should be taught to:</i></p> <ul style="list-style-type: none"> ▪ recognising vocabulary and structures that are appropriate for formal speech and writing, including subjunctive forms ▪ using passive verbs to affect the presentation of information in a sentence e.g. <i>I broke the window in the greenhouse</i> versus <i>The window in the greenhouse was broken (by me)</i>]. ▪ using the perfect form of verbs to mark relationships of time and cause ▪ using expanded noun phrases to convey complicated information concisely ▪ using modal verbs or adverbs to indicate degrees of possibility ▪ using relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun ▪ indicate grammatical and other features by: ▪ using commas to clarify meaning or avoid ambiguity in writing ▪ using hyphens to avoid ambiguity ▪ using brackets, dashes or commas to indicate parenthesis ▪ using semi-colons, colons or dashes to mark boundaries between independent clauses ▪ using a colon to introduce a list ▪ punctuating bullet points consistently ▪ use and understand the grammatical terminology and appropriately in discussing their writing and reading. 	<p><i>Pupils should be taught to:</i></p> <ul style="list-style-type: none"> ▪ plan their writing by: ▪ identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own ▪ noting and developing initial ideas, drawing on reading and research where necessary ▪ in writing narratives, considering how authors have developed characters and settings in what pupils have read, listened to or seen performed ▪ draft and write by: ▪ selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning ▪ in narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action ▪ précising longer passages ▪ using a wide range of devices to build cohesion within and across paragraphs ▪ using further organisational and presentational devices to structure text and to guide the reader [for example, headings, bullet points, underlining] ▪ evaluate and edit by: ▪ assessing the effectiveness of their own and others’ writing ▪ proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning ▪ ensuring the consistent and correct use of tense throughout a piece of writing ▪ ensuring correct subject and verb agreement when using singular and plural, distinguishing between the language of speech and writing and choosing the appropriate register ▪ proof-read for spelling and punctuation errors ▪ perform their own compositions, using appropriate intonation, volume, and movement so that meaning is clear.

Key Terminology for children

modal verb, relative pronoun, relative clause, parenthesis, bracket, dash, cohesion, ambiguity, subject, object, active, passive, synonym, antonym, ellipsis, hyphen, colon, semi-colon, bullet points



Year 5 Maths Curriculum 2018/19 Statutory Requirements

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions (including decimals)
<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit • count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 • interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0 • round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 • solve number problems and practical problems that involve all of the above • read Roman numerals to 1,000 (M) and recognise years written in Roman numerals 	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) • add and subtract numbers mentally with increasingly large numbers • use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why 	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers • 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 • multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers • multiply and divide numbers mentally, drawing upon known facts • divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context • multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 • recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³) • solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes • solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign • solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates 	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • compare and order fractions whose denominators are all multiples of the same number • identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths • recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $1 \frac{1}{2} = 1 \frac{1}{2}$] • add and subtract fractions with the same denominator, and denominators that are multiples of the same number • multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams • read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$] • recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents • round decimals with 2 decimal places to the nearest whole number and to 1 decimal place • read, write, order and compare numbers with up to 3 decimal places • solve problems involving number up to 3 decimal places • recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per 100’, and write percentages as a fraction with denominator 100, and as a decimal fraction • solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, and those fractions with a denominator of a multiple of 10 or 25



Year 5 Maths Curriculum 2018/19 Statutory Requirements

Measurement	Geometry – Properties of Shape	Geometry – Position and Direction
<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • convert between different units of metric measure [for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre] • understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints • measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres • calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm²) and square metres (m²), and estimate the area of irregular shapes • estimate volume [for example, using 1 cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water] • solve problems involving converting between units of time • use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling 	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • identify 3-D shapes, including cubes and other cuboids, from 2-D representations • know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles • draw given angles, and measure them in degrees (°) • identify: <ul style="list-style-type: none"> • angles at a point and 1 whole turn (total 360°) • angles at a point on a straight line and half a turn (total 180°) • other multiples of 90° • use the properties of rectangles to deduce related facts and find missing lengths and angles • distinguish between regular and irregular polygons based on reasoning about equal sides and angles 	<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • 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
Statistics		
<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> • solve comparison, sum and difference problems using information presented in a line graph • complete, read and interpret information in tables, including timetables 		



Year 5 Science Curriculum 2018/19 Statutory Requirements

Living things and their habitats

Pupils should be taught to:

- describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- describe the life process of reproduction in some plants and animals

Animals, including humans

Pupils should be taught to:

- describe the changes as humans develop to old age

Properties and changes of materials

Pupils should be taught to:

- compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- demonstrate that dissolving, mixing and changes of state are reversible changes
- explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda

Earth and space

Pupils should be taught to:

- describe the movement of the Earth and other planets relative to the sun in the solar system
- describe the movement of the moon relative to the Earth
- describe 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

Year 5 Science Curriculum 2018/19 Statutory Requirements



Forces

Pupils should be taught to:

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect



Year 5 History Curriculum 2018/19 Statutory Requirements

Britain's settlement by Anglo-Saxons and Scots

- Roman withdrawal from Britain in c. AD 410 and the fall of the western Roman Empire
- Scots invasions from Ireland to north Britain (now Scotland)
- Anglo-Saxon invasions, settlements and kingdoms: place names and village life
- Anglo-Saxon art and culture
- Christian conversion – Canterbury, Iona and Lindisfarne

The Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor

- Viking raids and invasion
- resistance by Alfred the Great and Athelstan, first king of England
- further Viking invasions and Danegeld
- Anglo-Saxon laws and justice
- Edward the Confessor and his death in 1066

A study of an aspect or theme in British history that extend pupils' chronological knowledge beyond 1066

- the changing power of monarchs using case studies such as John, Anne and Victoria
- changes in an aspect of social history, such as crime and punishment from the Anglo-Saxons to the present or leisure and entertainment in the 20th Century
- the legacy of Greek or Roman culture (art, architecture or literature) on later periods in British history, including the present day
- a significant turning point in British history, for example, the first railways or the Battle of Britain



Year 5 Geography Curriculum 2018/19 Statutory Requirements

Locational knowledge

- locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, and major cities.
- name and locate countries and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time.

Human and physical geography

- describe and understand key aspects of:
- physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, Year 5 volcanoes and earthquakes, and the water cycle Year 4

Geographical skills and fieldwork

- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- use the 8 points of a compass, 4- and 6-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world
- use fieldwork to observe, measure record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies



Year 5 Computing Curriculum 2018/19 Statutory Requirements

Pupils should be taught to:

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration
- use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact



Year 5 Art Curriculum 2018/19 Statutory Requirements

Pupils should be taught:

- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
- about great artists, architects and designers in history.

Year 5 DT Curriculum 2018/19 Statutory Requirements

Design

- use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

Make

- select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately
- select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities



Evaluate

- investigate and analyse a range of existing products
- evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
- understand how key events and individuals in design and technology have helped shape the world

Technical knowledge

- apply their understanding of how to strengthen, stiffen and reinforce more complex structures
- understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]
- understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]
- apply their understanding of computing to program, monitor and control their products

Year 5 Music Curriculum 2018/19 Statutory Requirements

Pupils should be taught to:

- play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression
- improvise and compose music for a range of purposes using the inter-related dimensions of music
- listen with attention to detail and recall sounds with increasing aural memory
- use and understand staff and other musical notation
- appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians
- develop an understanding of the history of music



Year 5 PE Curriculum 2018/19 Statutory Requirements

Pupils should be taught to:

- use running, jumping, throwing and catching in isolation and in combination
- play competitive games, modified where appropriate [for example, badminton, basketball, cricket, football, hockey, netball, rounders and tennis], and apply basic principles suitable for attacking and defending
- develop flexibility, strength, technique, control and balance [for example, through athletics and gymnastics]
- perform dances using a range of movement patterns
- take part in outdoor and adventurous activity challenges both individually and within a team
- compare their performances with previous ones and demonstrate improvement to achieve their personal best

Swimming and water safety (Autumn and Spring Term all pupils, Summer Term as necessary)

All schools must provide swimming instruction either in key stage 1 or key stage 2.

In particular, pupils should be taught to:

- swim competently, confidently and proficiently over a distance of at least 25 metres
- use a range of strokes effectively [for example, front crawl, backstroke and breaststroke]
- perform safe self-rescue in different water-based situations



Year 5 MFL Curriculum 2018/19 Statutory Requirements (see La Jolie Ronde Scheme of Work)

Pupils should be taught to:

- listen attentively to spoken language and show understanding by joining in and responding
- explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words
- engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help*
- speak in sentences, using familiar vocabulary, phrases and basic language structures
- develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases*
- present ideas and information orally to a range of audiences*
- read carefully and show understanding of words, phrases and simple writing
- appreciate stories, songs, poems and rhymes in the language
- broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary
- write phrases from memory, and adapt these to create new sentences, to express ideas clearly
- describe people, places, things and actions orally* and in writing
- understand basic grammar appropriate to the language being studied, including (where relevant): feminine, masculine and neuter forms and the conjugation of high-frequency verbs; key features and patterns of the language; how to apply these, for instance, to build sentences; and how these differ from or are similar to English

