



Term	Maths	English	Science	History	Geog	Art	DT	RE	Computing	Music Ongoing - Singing - exploring pitch, pulse and rhythm.	PE	PSHE
Aut	<p>Unit 1: Place value within 10,000,000 (8 lessons)</p> <p>Unit 2: Four operations (1) (8 lessons)</p> <p>Unit 3: Four operations (2) (12 lessons)</p> <p>Unit 4: Fractions (1) (9 lessons)</p> <p>Unit 5: Fractions (2) (9 lessons)</p> <p>Unit 6: Imperial and metric (5 lessons)</p>	<p>Writing The Arrival - Shaun Tan Letters, lists of rules, character descriptions, diaries, short playscripts, short reports, guides Leila and the blue fox - Kiran Millwood Hargrave Poetry, informal messages, formal letters, short information texts, diary entries, narrative and action scenes, tweets Can we save the tiger? - Martin Jenkins Letters, explanations, persuasive posters, & speeches, simple poems The last bear - Hannah Gold Character profile, dialogue, monologue, logbook entry, scientific report</p> <p>Reading Fly me home - Polly Ho-Yen On the move - poems about migration - Michael Rosen Beetle Boy M. G. Leonard The Tiger Rising Kate DiCamillo</p> <p>Spelling - Able/ably Ible/ibly Prefix/hyphens ff-r / f-rr ant, ance, ancy ent, ence, ency homophones ous, tious, cious tion, sion, tial, cial silent letters ough, ie/ei statutory words</p>	<p>Biology Living things and their habitats - describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals -give reasons for classifying plants and animals based on specific characteristics.</p> <p>Biology Animals Including Humans -identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood - recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function -describe the ways in which nutrients and water are transported within animals, including humans.</p>	<p>The Tudors Explain how the Tudors became the ruling family of England and Wales. What is meant by the term 'civil war'? Learn about the Tudor monarchs - list them and place in chronological order. Learn about Elizabeth I, why was it significant that she died without an heir? Learn about Henry VIII reign - why did he have so many wives? What can we find out about his wives? What does the word 'devout' mean? When did Henry VIII become head of the Church of England and why? Investigate the 'Dissolution of the Monasteries.' What does the term 'Golden Age' mean? Investigate the Globe Theatre. Key vocabulary - civil war, prosperity, heir, reign, devout, parliament, monarch, reformation, dissolution of the monasteries.</p>	<p>N America - geographical location, including latitude, longitude references, its location relative to Europe etc. Climate zones of N America - comparing the climate zones (making reference to high and low latitude) Population - how has the population changed over time (particularly 1500s - 1600s)? Key events that changed the diversity of the N American population. Patterns of N American population density. Why are some areas densely populated and others not? Create maps to show areas of high- and low-density populations. Mountains - identify main mountains (refer to tectonic plate boundaries as taught in yr4). Introduce topographical maps. Compare to political maps. Identify the main mountain ranges of N America. Compare and contrast the physical features of these to the Great Plains Vocabulary: latitude, lowlands, agricultural, predominant, colonised, populous, metropolitan, indigenous, irrigation, confluence, pesticides, topographic, subduction, seismic</p>	<p>Keeping it real (topic link) Painting - sketch before painting to combine line and colour Create a colour palette based upon colours observed in the natural or built world Use the qualities of watercolour and acrylic paints to create visually interesting pieces Combine colours, tones and tints to enhance the mood of a piece Use brush techniques and the qualities of paint to create texture Develop a personal style of painting, drawing upon ideas from other artists Realist style colours and tones Emotion - realism Vocabulary - Naturalistic stylistic glorified overturned bleak crude consistently insistence High Art gleaning revolt stark vulgar replicated persisting</p>	<p>What is design and technology? ● Design process: think, make, break, repeat Food throughout the year ● Cultural events: Chinese New Year ● Cultural events: Christmas ● Cultural events: Diwali ● Cultural events: Iftar ● Cultural events: Hanukkah Bread ● Bread: finger fluency ● Bread: guided design-think ● Bread: guided design-think ● Bread: guided design-break ● Bread: guided design-rethink Key Vocabulary- inspiration, purpose, user, automatically, fluency, accurate, perishable, infectious, compost, perennial, annual</p>	<p>Do you have to believe in God to be good? Believing, Living, Thinking [Opportunity to study Humanism/atheism and explore e.g. issues of social justice; opportunity to explore how valid various religious truth claims are, e.g. that you have to be good because God exists and he wants you to be good] Key vocab - Via negativa, Buddhism, four noble truths, meditation, five precepts, Hinduism, scientific method, reason, empathy, ethics</p>	<p>Communication - To identify how to use a search engine To describe how search engines select results To explain how search results are ranked To recognise why the order of results is important, and to whom To recognise how we communicate using technology To evaluate different methods of online communication 3D modelling - To use a computer to create and manipulate three-dimensional (3D) digital objects To compare working digitally with 2D and 3D graphics To construct a digital 3D model of a physical object To identify that physical objects can be broken down into a collection of 3D shapes To design a digital model by combining 3D objects To develop and improve a digital 3D model</p>	<p>World unite - Exploring rhythm and melody in singing. Look at beat, syncopation, pitch and harmony. Journeys - Learn songs and develop performance skills.</p>	<p>Invasion Games -Use running, jumping, throwing and catching in isolation and in combination play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending</p>	<p>Being me in the world Know about children's universal rights (United Nations Convention on the Rights of the Child) Know about the lives of children in other parts of the world Know that personal choices can affect others locally and globally Know how to set goals for the year ahead Understand what fears and worries are Understand that their own choices result in different consequences and rewards Understand how democracy and having a voice benefits the school community Understand how to contribute towards the democratic process Celebrating difference Know that people can hold power over others individually or in a group Know that power can play a part in a bullying or conflict situation Know that there are different perceptions of 'being normal' and where these might come from Know that difference can be a source of celebration as well as conflict Know that being different could affect someone's life Know why some people choose to bully others Know that people with disabilities can lead amazing lives</p>
Spring	<p>Unit 7: Ratio and proportion (9 lessons)</p> <p>Unit 8: Algebra (11 lessons)</p> <p>Unit 9: Decimals (9 lessons)</p> <p>Unit 10: Percentages (8 lessons)</p>	<p>Writing The Invention of Hugo Cabret Brian Selznick Diaries, journalistic writing, flashback narratives, speeches, discussions, letters, film critiques Suffragette: The Battle for Equality David Roberts Formal letters, diaries, balanced arguments, speeches, short news reports The Three Little Pigs Project The Guardian News reports, persuasive speeches, narratives from a</p>	<p>Light -recognise that light appears to travel in straight lines -use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye -explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes -use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them</p>	<p>The Victorians When was the Victorian era? Learn about the British Empire. Look at significant dates. Explain some of the consequences, positive and negative, of the British Empire.</p>	<p>Recap - What is a biome? Recap - what is climate? Locate and label on a map Ice biomes and Taiga biome. Organise information about Ice biomes and Taiga biomes. (use knowledge webs provided for each biome). Compare and contrast the Ice biome with Taiga biome.</p>	<p>Futurism (topic link) Drawing - use a variety of techniques to add interesting effects Use a choice of techniques to depict movement, perspective, shadows and reflection Choose a style of drawing suitable for the work Use lines to represent movement Sketches of portraits Technique - pointillism Range of materials in one sculpture Vocabulary Multiple perspectives - Abstract</p>	<p>Frame structures or cams Frame structures: finger fluency Frame structures: design inspiration Frame structures: guided design-think Frame structures: guided design-break Frame structures: guided design-re-think</p>	<p>Life Journey - Hinduism How do Hindus show they belong? What value does religion bring for religious people? How does this relate to ideas about community, identity and belonging? Rites of passage; include other religions, e.g. Bar/Bat Mitzvah in Judaism, confirmation in Christianity (cf. Life Journey - Christianity) Life Journey - Islam How do Muslims show they belong? What value does religion bring for religious people? How does this relate to ideas about community, identity and belonging? Rites of passage; include other religions, e.g.</p>	<p>Web page creation - To review an existing website and consider its structure To plan the features of a web page To consider the ownership and use of images (copyright) To recognise the need to preview pages To outline the need for a navigation path To recognise the implications of linking to content owned by other people Spreadsheets - To identify questions which can be answered using data To explain that objects can be described using data To explain that formula can be used to produce calculated data</p>	<p>Growth - Create a street performance through mime, songs, accompaniment and dance. Roots - Learn traditional Ghanaian songs and percussion rhythms.</p>	<p>Dance and Gymnastics develop flexibility, strength, technique, control and balance perform dances using a range of movement patterns compare their performances with previous ones and</p>	<p>Dreams and goals Know their own learning strengths Know what their classmates like and admire about them Know a variety of problems that the world is facing Know some ways in which they could work with others to make the world a better place Know what the learning steps are they need to take to achieve their goal Know how to set realistic and challenging goals</p>

	<p>Unit 11: Measure - perimeter, area and volume (11 lessons)</p>	<p>particular point of view, interview scripts, diaries, debates Boy in the Tower Polly Ho-Yen Journalistic writing, formal letters, nonchronological reports</p> <p>Reading The Invention of Hugo Cabret Brian Selznick The Little Match Girl Strikes Back Lauren Child Caged Bird Maya Angelou The Wolves of Willoughby Chase Joan Aiken</p> <p>Spelling - Able/ably Ible/ibly Prefix/hyphens ff-r / f-rr ant, ance, ancy ent, ence, ency homophones ous, tious, cious tion, sion, tial, cial silent letters ough, ie/ei statutory words</p>	<p>Electricity -associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit -compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches -use recognised symbols when representing a simple circuit in a diagram.</p>	<p>How much of the world was ruled by the British during the Victorian era?</p> <p>Describe the experience of children in Victorian times.</p> <p>Describe the difference between the lives of the rich and the poor in the Victorian era.</p> <p>Compare and contrast conditions in factories and houses at the beginning of Victoria's reign.</p> <p>Investigate reforms in health and education during the Victorian era.</p> <p>List the dates of significant inventions during the Victorian era.</p> <p>Which was the most significant invention and why?</p> <p>What was the impact of the Industrial Revolution?</p> <p>Compare and contrast rural and urban settlements before and after the Industrial Revolution.</p> <p>Key vocabulary - empire, poverty, revolution, conditions, innovations, economy, parliament, exploration.</p>	<p>Point out the human processes that affect each biome.</p> <p>Vocabulary: latitude, longitude, permafrost, microscopic.</p> <p>Terrestrial, situated, favourable, uninhabited, nutrients, migrate, hibernate</p>	<p>denunciation innovative reassuring phenomenon threadlike divisionism stippled segments nationalistic rebellious dynamism manifesto sensations derived synthesise advocated theories contorted animate</p>	<p>Key Vocabulary- assemble, technique, construct, extend, automatically, fluency, inspiration, purpose, user</p> <p>Cams: finger fluency</p> <p>Cams: design inspiration</p> <p>Cams: guided design-think</p> <p>Cams: guided design-break</p> <p>Cams: guided design-re-think</p> <p>Key Vocabulary- linear reciprocating, vice versa, dwell, eccentric circle, automatically, fluency, automaton, inspiration, purpose, user</p>	<p>Bar/Bat Mitzvah in Judaism, confirmation in Christianity</p> <p>Key vocab – Hinduism – Samskaras, birth – hamkaha / jatakama, initiation – upanayana, marriage – vivaha, death – antyeshthi, Brahman, atman, samsara, dharma, karma Judaism – birth – brit milah, initiation, torah, tefilim, marriage – ketubah/kiddush/covenant, death Islam – birth – adhaan/aqiqah/zakat, marriage – mahr/nikah, death</p>	<p>To apply formulas to data, including duplicating To create a spreadsheet to plan an event To choose suitable ways to present data</p>	<p>demonstrate improvement to achieve their personal best.</p> <p>Swimming</p>	<p><u>Healthy me</u> Know how to take responsibility for their own health Know what it means to be emotionally well Know how to make choices that benefit their own health and well-being</p> <p>Know about different types of drugs and their uses Know how these different types of drugs can affect people's bodies, especially their liver and heart Know that stress can be triggered by a range of things Know that being stressed can cause drug and alcohol misuse</p> <p>Know that some people can be exploited and made to do things that are against the law Know why some people join gangs and the risk that this can involve</p>	
Summer	<p>Unit 12: Statistics (11 lessons)</p> <p>Unit 13: Geometry - properties of shape (12 lessons)</p> <p>Unit 14: Position and direction (5 lessons)</p> <p>Unit 15: Problem solving (14 lessons)</p>	<p>Writing - Grimm Tales for Young and Old Phillip Pullman Retellings, character studies, Diaries, letters, character descriptions, balanced arguments Romeo and Juliet William Shakespeare The Unforgotten Coat Frank Cottrell Boyce Diaries, explanations (sci experiment), dialogue, nonchronological reports A Beautiful Lie Irfan Master Journalistic writing, recounts, discussion texts</p> <p>Reading - Grimm Tales for Young and Old Phillip Pullman The Explorer Katherine Rundell Incredible Journeys Levison Wood Poetry for Young People: Langston Hughes Benny Andrews</p> <p>Spelling - Able/ably ible/ibly Prefix/hyphens ff-r / f-rr ant, ance, ancy ent, ence, ency homophones ous, tious, cious tion, sion, tial, cial silent letters ough, ie/ei statutory words</p>	<p>Evolution and Inheritance -recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</p> <p>-recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents</p> <p>-identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</p>	<p>Ancient Greece</p> <p>Label a timeline with important dates from Ancient Greek history.</p> <p>Who eventually conquered the Greeks and when did this happen?</p> <p>Look at Greek pottery - what observations can you make?</p> <p>Describe how artefacts and remains help historians understand life in ancient times.</p> <p>Investigate the history of the Olympics.</p> <p>Name some of the Olympians.</p> <p>Describe what is meant by the words 'civilisations' and 'government'.</p> <p>Explain the influence of Ancient Greeks on modern political systems.</p> <p>Look at Greek architecture. Name some famous Greek buildings.</p> <p>Explain characteristic features of Greek architecture.</p> <p>Key vocabulary - architects, engineering, civilisations, democratic, artefacts, citizens.</p>	<p>Identify and label the key features of maps (title, compass rose, key, lines of latitude and longitude, scale) and explain their purpose.</p> <p>Four figure grid references - to understand and use a four-figure grid reference. Explain why they are necessary and how to find a location using the grid reference. (Locate and find the grid references for local landmarks / create own map using four figure grid references)</p> <p>Six figure grid references - to understand and use a six-figure grid reference. Explore how these are 'better' than the four figure. Why do we need these?</p> <p>Use 6 figure grid references on a rural and an urban map.</p> <p>Vocabulary: compass rose, lines of latitude / longitude, key, map scale, four-figure grid reference, eastings, northings, six-figure grid references</p>	<p>The art of anatomy (topic link)</p> <p>Printing and carving technique Use tools to carve and add shapes, texture and pattern Ink - dabbing and rolling Expressive detail Brushes</p> <p>Vocabulary carve texture framework mould slip mechanics dissection physician poise master volume topography gouges brayer printing press</p> <p>shape pattern wire clay form proportions anatomist acquired wireframes meticulous foreshortening contours chisels</p>	<p>Electronic motors: finger fluency</p> <p>Electronic motors: design inspiration</p> <p>Electronic motors: guided design-think</p> <p>Electronic motors: guided design-break</p> <p>Electronic motors: guided design-re-think</p> <p>Key Vocabulary- rotary, propeller, combined, automatically, fluency, inspiration, purpose, user</p>	<p><u>Life Journey - Christianity</u></p> <p>How do Christians show they belong? What value does religion bring for religious people? How does this relate to ideas about community, identify and belonging? Rites of passage: include other religions, e.g. Amrit in Sikhism</p> <p>Key vocab – Birth – baptism, initiation – conformation, marriage, death – funerals Sikhism – Birth – gurdwara, singh, kara parshed, initiation – amrit/khalsa/Sks, marriage – anand karaj, death</p>	<p>Variables in games - To define a 'variable' as something that is changeable To explain why a variable is used in a program To choose how to improve a game by using variables To design a project that builds on a given example To use my design to create a project To evaluate my project</p> <p>Sensing - To create a program to run on a controllable device To explain that selection can control the flow of a program To update a variable with a user input To use an conditional statement to compare a variable to a value To design a project that uses inputs and outputs on a controllable device To develop a program to use inputs and outputs on a controllable device</p>	<p>Class awards - Learn about fanfare, rap and song through famous music.</p> <p>Moving on - Learn two songs and a musical device for linking them together.</p>	<p>Striking and fielding Games / Athletics Use running, jumping, throwing and catching in isolation and in combination</p> <p>play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending</p>	<p><u>Relationships</u> Know that it is important to take care of their own mental health Know ways that they can take care of their own mental health Know the stages of grief and that there are different types of loss that cause people to grieve Know that sometimes people can try to gain power or control them Know some of the dangers of being 'online' Know how to use technology safely and positively to communicate with their friends and family</p> <p><u>Changing me</u> Know how girls' and boys' bodies change during puberty and understand the importance of looking after themselves physically and emotionally</p> <p>Know how a baby develops from conception through the nine months of pregnancy and how it is born Know how being physically attracted to someone changes the nature of the relationship</p> <p>Know the importance of self-esteem and what they can do to develop it Know what they are looking forward to and what they are worried about when thinking about transition to secondary school/moving to their next class</p>

