Year 4

Term	A1	A2	S1	S2	S1	S2
Topic Title	**Deep in the Rainforest**	**Carnival!**	**Ingenious Inventors**	**Timeline Travels**	**Around the World**	**From Farm to Fork**
Topic links/ Inspiration	Brazil – Rainforest - identify where rainforests are located in the world -Investigate animals that live in the rainforest -explore the different layers of the rainforest -Deforestation and its effect on the environment	Brazil – life Time zones Rio film clip for writing Designing carnival clothes Exploring what life is like	Romans Julius Caesar Claudius Boudicca Roman Empire Hadrian's Wall Romans and inventions – underfloor heating/ villas etc Leading into Roman mosaic, pottery, mask design etc	Romans (continued until one week before the end of term) Anglo Saxons Day (Who they are? Runes, Stain Glass Windows, Explore Artefacts, Village life)	Atlas skills Exploring environments and habitats across different continents. Locating major countries on a map.	Farming Weather report ICT linked to food and farming and whether crops will grow. Green screening weather maps
Hooks and 'Wow' Moments	Patricia Brasil Art Gallery	Carnival	Colchester Castle trip	Anglo-Saxon Day Disclosing tablets	Forest school bug hunt	Writtle Food and Farming Day
Trips/visitors		Science of Sound workshop	Colchester Castle	Dentist come in to speak	School pond – pond dipping	Writtle Food and Farming Day
Maths	Recall and use multiplication and division facts for 2, 3, 4, 5, 8 and 10 multiplication times tables **Place Value** Partitioning four digit numbers Compare and order numbers Find 1000 more or less Rounding Solving problems **Addition and subtraction** Column addition and subtraction Estimate and use inverse operations to check answers to a calculation Estimate, compare and calculate different measures **Number** Read Roman numerals to 100 Count backwards through zero to include negative numbers	Recall and use multiplication and division facts for the 6 and 9 multiplication tables **Multiplication and division (mental)** Count in multiples of 6, 7, 9, 25 and 1000 Multiply and divide mentally, including; multiplying by 0 and 1; dividing by 1; multiplying together three numbers Commutative property of multiplication Solve division problems that involve remainders, and interpret remainders appropriately according to the context **Multiplication and division** Multiply and divide whole numbers by 10 and 100 Multiplication using formal written layout **Statistics** Bar charts and time graphs	Recall and use multiplication and division facts for the 7 and 11 times multiplication tables **Fractions and decimals** Equivalent fractions Solve problems involving fractions Add and subtract fractions with the same denominator Add and subtract improper fractions with the same denominator Reason about the location if mixed numbers in the linear number system **Decimals** Count up and down in hundredths Recognise and write decimal equivalents Divide one or two digit numbers by 10 and 100 recognise and write decimals equivalents for ¼, ½ and ¾	Recall and use multiplication and division facts for the 12 times multiplication tables **Measures (length and capacity)** Convert between different units of measure for length and capacity Estimate, compare and calculate different measures **Measures (weight)** Convert between different units of measure for weight Estimate, compare and calculate different measures **Addition and subtraction** solve addition and subtraction two-step problems	Recall multiplication and division facts up to 12X12, and recognise products in multiplication tables as multiples of a corresponding number **Geometry** Identify regular and irregular polygons, including equilateral triangles and squares Perimeter of regular and irregular polygons Area of rectilinear shapes Identify acute and obtuse angles Compare and order angles Symmetry Coordinates Translation	Understand and apply the distributive property of multiplication **Time** Read, write and convert time between analogue and digital 12- and 24-hour clocks **Money (recap)** solve simple measure and money problems involving decimals to two decimal places

		Solve comparison, sum and difference problems	round decimals with one decimals place to the nearest whole number compare numbers with the same decimal places up to two decimal places Convert mixed numbers to improper fractions and vice versa Solve simple measure and money problems involving fractions and decimals to two decimal places			
English	We Take Pride Dictionaries and glossaries-looking at technical language to do with the rainforest using Information texts- Layers of the rainforest creating a non-chronological report on rainforest animals Narrative texts- looking at stories from Brazil and celebrating their culture	Introduction to Shakespeare Play scripts- Shakespeare Performance poetry- taking inspiration from Christmas and the season of Ikea	Myths and legends- links to Roman myths; Romulus and Remus Instructions- creating a set of instructions on how to make a Roman shield (created in Art lessons)	Diary- creating a diary in the day of the life of a Roman soldier Recount- writing a recount of Colchester Castle	Narrative stories- Fantasy/sci fi. Using Pandora as a creative writing stimulus Free verse	Letters- writing a letter to Mrs Lane to persuade her to choose fair trade ice cream (topic link) Persuasive argument- focused on topic work of Fairtrade
Books	Charlotte's Web Meerkat Mail The Twits	Charlotte's Web Meerkat Mail The Twits How the Night Came from the Sea Domingo's Cat	The Lion and the Witch and the Wardrobe Suitcase Kid Romulus and Remus/Myths and legends	The Lion and the Witch and the Wardrobe Suitcase Kid	Harry Potter and the Philosopher's Stone Billy the Kid	
History			The Roman Empire and its impact on Britain Julius Caesar's attempted invasion in 55-54 BC The Roman Empire by AD 42 and the power of its army Successful invasion by Claudius and conquest, including Hadrian's Wall British resistance, for example, Boudica Hadrian's Wall	'Romanisation' of Britain: sites such as Caerwent and the impact of technology, culture and beliefs, including early Christianity - aquecucts Underfloor heating -Roman baths -Roman villas Britain's settlement by Anglo-Saxons and Scots Examples - 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		
Geography	Brazil - 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, countries, and major cities. - identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)	Brazil - 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, countries, and major cities - understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America			Link location of bugs to finding and locating world's countries.	Farming landscapes – food production, arable and livestock farming, ordinance survey mapping. Arial photos Locating places on maps and globes, different food production locations in the world. Imports and exports and explanations for these – meteorology recap and extension.
Science	**States of Matter (water-cycle)** - compare and group materials together, according to whether they are solids, liquids or gases - observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) - identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	**Sound** - identify how sounds are made, associating some of them with something vibrating - recognise that vibrations from sounds travel through a medium to the ear - find patterns between the pitch of a sound and features of the object that produced it - find patterns between the volume of a sound and the strength of the vibrations that produced it - recognise that sounds get fainter as the distance from the sound source increases.	**Electricity** - identify common appliances that run on electricity - construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers - identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery - recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit	**Teeth and Digestion** Digestion and food groups, nutrition and health Teeth and Eating - describe the simple functions of the basic parts of the digestive system in humans - identify the different types of teeth in humans and their simple functions - construct and interpret a variety of food chains, identifying producers, predators and prey.	**Living things and their habitats** - recognise that living things can be grouped in a variety of ways - explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment - recognise that environments can change and that this can sometimes pose dangers to living things	**Investigative unit- Science skills** Brilliant Bubbles LEGO We Do (STEM)

			- recognise some common conductors and insulators, and associate metals with being good conductors			
Computing	Online Safety and Recognising Positive & Negative Effects of Technology on Health and the Environment.	Lego WE-DO Creating Stop Motion Animation	Computer Coding	Using Online Technology for Information	Creating Spreadsheets	Text Formatting
Art/ DT	Rousseau	Patricia Brasil – pastels One portrait and one half photograph/half portrait for Best Work Book covers	Roman Shields Mosaics Push pots – Clay Coil pots – woven pipe cleaners	Stained Glass Windows	Variety of artists – Monet Lucy Arnold - Bugs Julia Yates – tile painting	Cézanne - Still life food Food for dyeing cloth Arcimboldo – Food pictures
French	Myself	Family	Café	Classroom	Habitats	Goldilocks
PSHE	Being Me in my world Who am I and how do I fit in?	Celebrating Difference Respect for similarity and difference. Anti-bullying and being unique.	Dreams and Goals Aspirations, how to achieve goals and understanding the emotions that go with this.	Healthy Me Being and keeping safe and healthy.	Relationships Building positive, healthy relationships.	Changing Me Coping positively woth change.
PE	Gymnastics Athletics	Dance Basketball	Circuits Tag Rugby	Yoga Circuits	Picnic Dance Tennis	Yoga Orienteering
RE	Judaism – Beliefs and Practices How special is the relationship Jews have with God?	Christianity – Christmas What is the most significant part of the nativity story for Christians today?	Judaism – Passover How important is it for Jewish people to do what God asks them to do?	Christianity – Easter Is forgiveness always possible for Christians?	Judaism – Rites of Passage and good works What is the best way for a Jew to show commitment to God?	Christianity – Prayer and Worship Do people need to go to church to show they are Christian?
Music	Singing	Singing	Mamma Mia	Singing	Lean on Me	Singing