

Year 4 Curriculum Map

2022 - 2023

2014 National Curriculum Coverage at Langney Primary School - Year 4 **Vision Statement: School Motto:** 'At the forefront of education, our vision is to provide opportunity and excellence in all branches of learning. "Active Body, Healthy Mind" By creating a flagship school that is a 'Centre of Excellence' in scores of disciplines, academic and beyond, each unique child's potential is explored and natural talents discovered. At Langney Primary School our vision is to uphold the balance between EXCELLENCE (standards) and the ENJOYMENT of learning. Our school ethos places emphasis on physical, social and emotional health to ensure a healthy body and mind for our pupils, parents and staff (School Vision Statement March 2019). Curriculum Intent: Core Values: **INNOVATION** The individual school character is based 2) 3) CENTRE OF EXCELLENCE IN ALL DISCIPLINES on the following shared core values **TALENT DISCOVERY** which underpin our behaviour principles 4) **RAISING ASPIRATIONS & LIFE CHANCES** and interactions with each other: **BALANCE BETWEEN EXCELLENCE (STANDARDS) and ENJOYMENT HEALTH & WELL-BEING** Mutual Respect Aspiration Appreciation Positivity Forgiveness VR/AR Term 2 Term 1 Term 3 Term 4 Term 5 Term 6 Resources Stunning Start and Fabulous Finish Class welcome with Stone Age Artefacts Teeth Craft. Florida Games and Roman Dress up Stunning Coco Film and children Quiz Afternoon day class theme Hands on History Afternoon. generate questions. **Start** Visit. Junk Modelling. Day of the dead - Stone age related. Visit from Dentist. .Junk modelling -Fishbournemask making. Everglades shoe Roman Skeleton Art. Hands on History. box Celebrations -**Fab Finish** food & art gallery. Coverage Term Term 1 Term 2 Term 3 Term 4 Term 5 Term 6 7 weeks 7 weeks 6 weeks 6 weeks 6 weeks 7 weeks What a Load of The Day Of The The Sunshine Rotten **Topic Title Wolf Brother Demon Dentist** Rubbish State Dead **Romans** Diary entry (recount) Description Persuasive/ Narrative coco Description setting (Character information: (fantasy) Character Narrative (Historical) description) (Brochure/leaflet) description of Character Writing Police report-Boudicca Information (history) description Newspaper report Poetry missing Genres child(recount) Persuasive text Formal letter poem (wind, rain) information leaflet Instructions to join the Army about teeth (non-Instructions recipe chronological report) Informal Letter to new teacher RC through a RC through a range Reading of fiction and of fiction and nonof fiction and nonof fiction and nonof fiction and nonrange of fiction **Genres** nonfiction fiction fiction fiction fiction and non-fiction LL ABOUT FLORIDA **Emily Taylor Core Text** Children's Book About Florida: A Kids Picture Book About Florida With Photos and Fun Facts Kindle Edition

					by <u>Emily Taylor</u> (Author)	
Science	Scientific Enquiry I can ask relevant questions and use different types of scientific enquiries to answer them. I can set up simple practical enquiries, comparative and fair tests. I can make systematic and careful observations and, where appropriate, take accurate measurements using standard units, use a range of equipment, including thermometers and data loggers. I can gather, record, classify and present data in a variety of ways to help in answering questions. I can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables. I can report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions. I can use results to draw simple conclusions, make	Chemistry: States of matter I can compare and group materials together, according to whether they are solids, liquids or gases. I can 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). I can identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	Physics: Electricity I can identify common appliances that run on electricity. I can construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. I can 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. I can recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. I can recognise some common conductors and insulators, and associate metals with being good conductors.	Biology: Animals including Humans I can describe the simple functions of the basic parts of the digestive system in humans. I can identify the different types of teeth in humans and their simple functions. I can construct and interpret a variety of food chains, identifying producers, predators and prey	Biology: Living things and Habitats I can recognise that living things can be grouped in a variety of ways. I can explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. I can recognise that environments can change and that this can sometimes pose dangers to living things.	Physics: Sound I can identify how sounds are made, associating some of them with something vibrating. I can recognise that vibrations from sounds travel through a medium to the ear. I can find patterns between the pitch of a sound and features of the object that produced it. I can find patterns between the volume of a sound and the strength of the vibrations that produced it. I can recognise that sounds get fainter as the distance from the sound source increases.
Science Key Scientists	predictions for new	Alfred Barnhard Nobel	Benjamin Franklin, Coulomb,Volta Ampere	Al-Jahiz Charles Elton	Carl Linnaeus	Robert Boyle Ernst Mach. Heinrich Hertz
Computing	Computing (The world wide web and the internet) I can identify how the internet has evolved I can illustrate how a LAN works I can identify the strengths and weaknesses of wireless connections I can explain the importance of bandwidth I can explain how we power the internet	Computer Science 1 (Robotics with Sphero) I can program a robot to complete a simple task I can program a robot to complete more complex tasks I can make a program for a robot more efficient I can plan a program for a robot, using an algorithm I can build a program, based on an algorithm	Electronic Safety (Online Consequence) I can explain how to report online safety worries I can explain how digital games are rated I can manage a positive digital footprint I can be mindful of what I give away online I can be mindful of copyright rules	Handling Data (Conditional Formatting & Filters) I can format cells on a spreadsheet I can gather and sort data to create an inventory I can use conditional formatting I can apply a filter	Computer Science 2 (Problem Solving) I can use a flowchart to solve a problem I can use fault finding skills to solve a flowchart problem I can convert a list of written instructions into a flowchart I can create a multitasking program I can use a decision box in a flowchart	Digital Creator (Photography) I can frame a photo I can apply filtering effects to an image I can explore the effect orientation has on an image I can capture emotion in a photograph I can photograph the same subject in different ways
History	Black History Month Links to Writing and Art.		Stone Age Introduce Stone age, ask and create questions and discover the Paleolithic period. I can ask questions and find answers about the past. I can look at a range of sources to find out about the past (e.g. documents, printed sources, the internet, databases, pictures, photographs, music, artefacts,	Bronze Age & Iron Age Introduce Bronze age, ask and create questions I can ask questions and find answers about the past. I can look at a range of sources to find out about the past (e.g. documents, printed sources, the internet, databases, pictures, photographs, music, artefacts, historic buildings, museums). Introduce Iron age, ask and create		Roman Empire Introduce Romans and their empire I can ask questions and find answers about the past. I can look at a range of sources to find out about the past (e.g. documents, printed sources, the internet, databases, pictures, photographs, music, artefacts, historic buildings, museums).

			historic buildings,	questions.		
			Introduce and discover the Mesolithic and	I can ask questions and find answers about the past.		Roman's invasion attempts of Britain
			Neolithic period I can ask questions and find answers about the past.	I can look at a range of sources to find out about the past (e.g. documents, printed sources, the internet, databases, pictures, photographs,		I can use evidence to explain about the Roman Empire and its impact on Britain.
			I can look at a range of sources to find out about the past (e.g. documents, printed sources, the internet, databases, pictures, photographs,	music, artefacts, historic buildings, museums). Look at Iron age fort hills		Julius Caesar's attempted invasion in 55-54BC The Roman Empire by AD42 and the power of its army.
			music, artefacts, historic buildings, museums). Place key events from Paleolithic, Mesolithic and	I can explain the changes in Britain from the Stone Age to the Iron Age. Iron Age Hill Forts – tribal kingdoms, farming, art and culture.		I can describe events from the past using dates when things happened.
			Neolithic in order and describe the changes	Order events from stone age to		Boudicca's resistance • I can use evidence
			I can use a timeline to place historical events in chronological order.	bronze age to iron age and write changes over time		to explain about the Roman Empire and its impact on Britain.
			I can describe events from the past using dates when things happened.	I can explain the changes in Britain from the Stone Age to the Iron Age.		British resistance, e.g. Boudica I can recognise that
			I can use a timeline to describe the changes in a period of history.	I can describe events from the past using dates when things happened.		there are different accounts of history.
			I can explain the changes in Britain from the Stone Age to the Iron Age.	I can use a timeline to place historical events in chronological order.		Roman's Legacy to
			Explore a case study of skara brae	I can use a timeline to describe the changes in a period of history.		I can use evidence to explain about the
			I can explain the changes in Britain from the Stone Age to the Iron Age.Skara			Roman Empire and its impact on Britain Romanisation of Britain – sites such as
			Brae - Late Neolithic hunter-gatherers and early farmers			Caerwent and the impact on technology, culture and beliefs, including early Christianity.
Geography	Geographical	Locational			Place Knowledge &	
	Skills and	Knowledge The			Human and	
	<u>Fieldwork of Local</u> <u>Area</u>	World's Oceans and Continents. North			Physical Geography North	
	<u>Alea</u>	America			America	
	Compass points	7 Inched			Amenea	
	I can use the eight points of the compass to help build my knowledge of places.	Revision; name the continents, oceans KS1 Review – I can			Compare the Florida Everglades to the U.K. Broadlands	
	Grid reference of local area	name and locate the seven continents of the world (North America, South America, Europe,			I can understand geographical similarities and differences,	
	I can use symbols and key and four & six figure grid references to build my knowledge of U.K. I can use symbols.	Asia, Oceania/ Australasia, Antarctica). KS1 Review - I can			through the study of human and physical geography, between a region of the U.K. and a region of North	
	and the wider world.	name the world's seven continents and five oceans (Atlantic Ocean, Pacific Ocean,			America. I can describe and understand key aspects of physical geography	
	Field work record and sketch I can do fieldwork to observe, measure,	Indian Ocean, Arctic Ocean, Southern Ocean).			in North America: Compare human	
	record and present the human and physical features in	Locate North America countries and capital cities			features between Florida and Eastbourne	
	the local area using a range of methods, including sketch maps, plans and	Year 3 Review – I can name and locate			I can describe and understand key aspects of human geography in North America.	
	graphs and digital technologies	European countries and cities. • I can name and locate the			I can understand geographical similarities and differences, through	
	Field work presenting	countries of North America and major cities.			the study of human and physical geography, between a region of the U.K. and a region of North	
	 I can do fieldwork to observe, measure, 	features of North			America.	

	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	America I can identify the main languages spoken in North America. I can identify flags of North American countries. Locating environmental regions of North America and there features I can use maps, atlases globes and digital mapping to locate countries and describe features studied. I can identify North America's environmental regions.			Explore Extreme weather in North America • I can describe and understand key aspects of physical geography in North America: Climate zones weather extremes (tornadoes, hurricanes)	
Art & Design	Drawing I can identify and draw the effect of light on something. I can draw from life with scale, placement and proportion. I can blend using blending stumps to create 3D shapes. I can draw simple objects and use marks and lines to produce the impression of texture. Still life drawings and self-portraits.	Painting I can accurately use tint, tone and shade. I use colour to reflect mood, feeling and movement. I can use a range of brushes to paint. I can create my own relief prints adding at least 4 colours. I can experiment with different styles which artists and designers have used. I can improve on my original ideas and keep notes about the purpose of my work. I can record my observations and use them to review and revisit ideas. I can talk about the impact of artists and designers and say what I think the artist is trying to express in their art.				Sculptures I can experiment and combine materials and processes to design and make a 3D form. Making Roman Pots I can talk about art from other periods of history. Photography I can edit my photography using computer software in the style of Darren Rowse (Computing T6)
Art & Design Knowledge and Appreciation of Artists and Designers	Leonardo Da Vinci J.M.W. Turner	George Seurat				(Roman art)
Design Technology			Food FOOD: HEALTHY AND VARIED DIET Evaluating Existing Products I can carry out sensory evaluations of a variety of ingredients and products; and record the evaluations using e.g. tables and simple graphs. I know about a range of fresh and processed ingredients appropriate for their product, and whether they are grown, reared or caught.	Electrical Systems ELECTRICAL SYSTEMS: SIMPLE CIRCUIT AND SWITCHES Evaluating Existing Products I can investigate and analyse a range of existing battery-powered products. Design I can gather information about needs and wants, and develop design criteria to inform the design of products that are fit for purpose, aimed a particular individuals	Mechanical Systems MECHANICAL SYSTEMS: LEVERS AND LINKAGES Evaluating Existing Products I can investigate and analyse books and, where available, other products with lever and linkage mechanisms. Design I can generate realistic ideas and my own design criteria through discussion, focussing on the	

			I can generate and	or groups	needs of the user	
			I can generate and clarify ideas through discussion with peers and adults to develop design criteria including appearance, texture and aroma for an appealing product for a particular user and purpose. I can use annotated sketches and appropriate information and communication technology, such as web-based recipes, to develop and communicate ideas Make I can plan the main stages of a recipe, listing ingredients, utensils and equipment. I can select and use appropriate utensils and equipment to prepare and combine ingredients. I can select from a range of ingredients to make appropriate food products, thinking about sensory characteristics. Evaluate I can evaluate the ongoing work and the final product with reference to the design criteria and the views of others Technical Knowledge and Understanding I know how to use appropriate equipment and utensils to prepare and combine food. I know and use relevant technical and sensory vocabulary appropriately. Children design and make fruit smoothies.	I can generate, develop, model and communicate realistic ideas through discussion and, as appropriate, annotated sketches, cross-sectional and exploded diagrams. Make I can order the main stages of making. I can select from and use tools and equipment to cut, shape, join and finish with some accuracy. I can select from and use materials and components including construction materials and electrical components according to their functional properties and aesthetic qualities. Evaluate I can evaluate my own ideas and products against my own design criteria and identify the strengths and areas for improvement in my work. Technical Knowledge and Understanding I understand and use electrical systems in my products, such as series circuits or incorporating switches, bulbs and buzzers. I can apply my understanding of computing to program and control my products. I know and use technical vocabulary relevant to the project. Children are to make a quiz board about or about loke afigestive system and have	I can use annotated sketches and prototypes to develop, model and communicate ideas. Make I can order the main stages of making. I can select from and use appropriate tools with some accuracy to cut, shape and join paper and card. I can select from and use finishing techniques suitable for the product I am creating. Evaluate I can evaluate my own products and ideas against criteria and user needs, as I design and make. Technical Knowledge and Understanding I understand and use lever and linkage mechanisms. I can distinguish between fixed and loose pivots. I know and use technical vocabulary relevant to the project. Children to make Animals from the Everglades using levers and linkages	
	Hanny Digit to	What's the western	A Healthy Life	to match the answers to the questions.	Allahasad	Tell me a Story
Spanish	Happy Birthday! Numbers to 31,months, dates and comparing birthday celebrations in Spain and England	What's the weather like? Weather phrases and descriptions of seasons	Sports (verbs to play/to do) Healthy eating and drinking (verbs to eat and drink) Sentences with conjunctions.	Carnival of Animals Saying which pets we have, their names, what we would like. 3rd pers sg and conditional	All aboard Types of transport, likes and dislikes, the verb to go conjugation in different forms.	Dear Zoo Animals, gender adjectival agreement.
Music	String	String	Singing	Keyboards	Keyboards	Percussion
	Ukulele Performing a chord. I can identify and tune my ukulele to the notes G, C, E and A.	Ukulele Composing a song with two chords. I can practise a minor chord on a string instrument.	Composing lyrics for a chorus and verse line of a song. I can identify the pulse of the song using my voice.	Piano Identifying the notes C, D, E, F, G and A on the treble clef. I can identify the notes C, D, E, F, G,	Piano Creating a composition on the keyboard beginning to show accuracy and fluency on the	Samba Performing different rhythms together in a group confidently identifying the
		g monument.		B and A on Treble	Treble Clef.	different drums

	I can identify a major chord on the ukulele. I can identify a minor chord on the ukulele.	I can perform a major chord and minor chord on a string instrument. I can improvise using a major chord and minor chord on a string instrument. I can produce a composition using a major chord and minor chord on a string instrument.	I can practise the pulse in a song using my voice I can perform a range of different songs identifying the pulse within a group. I can produce lyrics for a chorus and verse line in a song identifying the pulse of the track.	Clef. I can identify the sharp notes on the Treble Clef. I can practise the notes on the stave.	I can practise the notes I have learnt starting to show fluency, control and accuracy in reading sheet music I can perform the notes I have learnt starting to show fluency, control and accuracy in reading sheet music. I can confidently improvise using all the notes on the keyboard. I can produce a composition on the keyboard beginning to show accuracy and fluency on the Treble Clef.	on the neutral clef. I can identify different drums on the neutral clef. I can begin to practice a rhythm using crochets, quavers and semiquavers notes I can implement a rhythm using different drums within a group on the neutral clef, showing fluency and accuracy on an untuned instrument. I can begin to produce a composition using different untuned percussion on the neutral clef.
Physical Education	Football – fundamental movements & ball skills OAA team building, problem solving map reading, independent orienteering	Rugby - movement & handling skills Hockey - movement & handling skills Gymnastics - travel, balance, rolls	Basketball – team skills, ball handling Netball – team skills, ball handling Dance – Movement, following and creating choreography, performance	Handball – team skills, ball handling Gymnastics – rolling, flight, performance	Tennis - Striking a ball, racket grip, ball control Quick cricket - Striking a ball, throwing and catching, bowling a ball Dance - Movement, following and creating choreography, performance	Athletics – Running, jumping, throwing *Sports Day Practice Mindful Movement (Yoga type activities)
(Jigsaw)	Being Me In My World I know my attitudes and actions make a difference to the class team. I understand who is in my school community, the roles they play and how I fit. I understand how democracy works through the school council. I understand that my actions affect myself and others; I care about other people's feelings and try to empathise with them. I understand how groups come together to make decisions. I understand how democracy and having a voice benefits the school community.	Celebrating Differences I understand that, sometimes, we make assumptions based on what people look like. I understand what influences me to make assumptions based on how people look. I know that sometimes bullying is hard to spot and I know what to do if I think it is going on but I'm not sure. I can tell you why witnesses sometimes join in with bullying and sometimes don't tell. I can identify what is special about me and value the ways in which I am unique. I can tell you a time when my first impression of someone changed when I got to know them	Dreams and Goals I can tell you about some of my hopes and dreams. I understand that sometimes hopes and dreams do not come true and that this can hurt. I know that reflecting on positive and happy experiences can help me to counteract disappointment. I know how to make a new plan and set new goals even if I have been disappointed. I know how to work out the steps to take to achieve a goal, and can do this successfully as part of a group. I can identify the contributions made by myself and others to the group's achievement.	Healthy Me I can recognise how different friendship groups are formed, how I fit into them and the friends I value the most. I can recognise the changing dynamics between people in different groups, see who takes on which role, e.g. leader, follower, and understand the roles I take on in different situations. I understand the facts about smoking and its effects on health, and also some of the reasons some people start to smoke. I understand the facts about alcohol and its effects on health, particularly the liver, and also some of the reasons some people drink alcohol. I can recognise when people are putting me under pressure and can explain ways to resist this when I want. I know myself well enough to have a clear picture of what I believe is right and wrong.	Relationships I can identify the web of relationships that I am part of, starting from those closest to me and including those more distant. I can identify someone I love and can express why they are special to me. I can tell you about someone I know that I no longer see. I can explain different points of view on an animal rights issue. I understand how people feel when they love a special pet. I know how to show love and appreciation to the people and animals who are special to me.	I understand that some of my personal characteristics have come from my birth parents and that this happens because I am made from the joining of their egg and sperm. I can correctly label the internal and external parts of male and female bodies that are necessary for making a baby. I can describe how a girl's body changes in order for her to be able to have babies when she is an adult, and that menstruation (having periods) is a natural part of this. I know how the circle of change works and can apply it to changes I want to make in my life. I can identify changes that have been and may continue to be outside of my control that I learnt to accept. I can identify what I am looking forward to when I am in Year 5.

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Religious Education	Buddhism Is it possible for everyone to be happy all the time?	Christianity Incarnation What is the most significant part of the Nativity story for Christians today?	Judaism How important is it for Jews to do what God asks them to do?	Christianity Salvation Is forgiveness always possible for Christians?	Hinduism How and why do people mark the significant events of life? (Hindu & non-religious)	Thematic How and why do people try to make the world a better place?
	I can tell you some of the things Siddhattha did to try to be happy and explain why I think they didn't work for him. I can begin to show an understanding of what being happy means to Buddhists.	I can start to explain which Christmas symbols tell Christians something about the incarnation (Jesus being God on earth). I can ask questions about what Christmas means to Christians and compare this with what it means to me	I can describe some of the things Jewish people do to show respect to God and have some understanding why they feel it is important to do so. I can start to identify how it would feel Kashrut.	I can explain how Christians might try to put into practise Jesus' teachings about forgiveness. I can give my opinion about forgiveness and suggest what people might say.	I can identify what a pilgrimage to the Ganges and one other celebration shows about beliefs of love and commitment and the importance of these traditions. I can explain what happens during the pilgrimage to the Ganges and its meaning. I can identify how the pilgrimage celebrates love and commitment and compare this with another commitment celebration. I can talk about whether it is good for everyone to see life as a journey and mark the milestones. I can make links between ideas of love and commitment in religious and non-religious ceremonies and say whether these ceremonies are valuable.	I can identify some beliefs about why the world is not always a good place and why Christians try to make it better. I can identify teaching on how to live and some different ways that people try to make the world a better place. I can give my own ideas about the best ways of making the world a better place, giving good reason for my answers. I can make links between ideas of good living in religion and non-religion.

Outdoor Learning Opportunities:				
Place	Location	Activity		
School	Outside Playground	Local fieldwork		
The Priory	Just outside of School Grounds	Children to engage in a forest school session with links made to our Stone Age topic.		

Visitors:	
Visitor	Activity
Dentist/Dental nurse	To introduce and develop pupils understanding of teeth before starting our new topic. Links to science and our core text 'Demon Dentist'. Links to PSHE and focus on 'healthy me'.
Travel Agent	Discuss travel industry and introduce new topic. To talk about America and tourism, what brings people to Florida.
Hands On History	Links to Roman topic, children to dress up and engage in workshops looking at artefacts and learning about the Romans.

Cross-Curricular Texts:				
Subject	Text	Title, Author and Synopsis		
History	The History	Clare Hibbert		
term 3	Detective investigates: Stone age to Iron age	An accessible information text designed especially for the 2014 National Curriculum, this is a text pitched for teachers and pupils of lower KS2. Taking an investigative approach to history, The History Detective Investigates Stone Age to Iron Age examines key questions and pieces of evidence from the Stone, Bronze and Iron Ages in order to build a picture of life in prehistoric times.		

English term 3	Wolf brother x 45	Michelle Paver This gripping children's novel takes us back in time 6000 years as twelve year old Torak and his wolf cub journey through the prehistoric landscape. Wolf Brother is a real page-turner that uses the structure of an adventure story and majors on the theme of good versus evil in a prehistoric setting. Highly recommended for more confident readers, this also works well as a gripping class novel to link to your Stone Age topic.
English term 1	Paper bag Prince x4	Colin Thompson An old man's kingdom is the town dump; his palace, an abandoned railroad carriage at the edge of it. But the Paper Bag Prince (he earned his title by foraging in the litter for bags and other useful objects) is content with his lot, and with his subjectsthe stray animals who also call the dump hom
English term 2	Coco: A Story about Music, Shoes, and Family x48	Novel by Diana Lopez Coco, this middle grade novel retells the story of Miguel's daring adventure, and features exciting new scenes about his family. Disney*Pixar's Coco is
English term 4	Demon Dentist x46	David Walliams This story is very creepy but also hilarious! The Demon Dentist is the latest book by David Walliams and one of my favourites so far. It tells the story of 12 year-old Alfie whose teeth are totally rotten. When a strange new dentist comes to town Alfie is suspicious and thinks something might be wrong
English term 6	Diary of a young Roman Soldier x48	Moira Butterfield A fictional diary of a young Roman soldier, stationed in Britain between AD 59-61. Marcus Gallo travels to Britain with his legion to help pacify the wild Celtic tribes
English term 5 Geography	Children's Book About Florida	Emily Taylor Children's Book About Florida: A Kids Picture Book About Florida With Photos and Fun Facts Kindle Edition.
	Kindle	