

Year 4 Science & Foundation subjects Curriculum map

	Autumn Term		Spring Term		Summer Term	
Science	<p>Animals: Digestion and food Using models, children describe the function of key organs in the digestive system. Pupils identify the types of human teeth and investigate factors that impact our dental health. They compare human teeth to other animals' and take on the role of a naturalist investigating animal faeces for clues about diet, digestion and dentition.</p>	<p>Energy: Electricity and circuits Exploring appliances in their setting that use electricity, children learn how to work with electricity safely and build circuits. Pupils investigate electrical conductors and insulators and explore the relationship between the number of cells and bulb brightness. Real scenarios and historical discoveries inform children about scientific progression and home safety.</p>	<p>Materials: States of matter By investigating the properties of solids, liquids and gases, children learn about the different states of matter. They explore changes of state using relatable examples and use this to explain changes to water through the water cycle. Pupils investigate the relationship between temperature and rate of evaporation while broadening their experience of working scientifically.</p>	<p>Energy: Sound and vibrations Exploring different ways of producing sounds, children learn about the relationship between vibrations and what they hear. Pupils explore how pitch and volume can be altered and how sound can be insulated using different materials.</p>	<p>Living things: Classification and changing habitats</p>	<p>Making connections Bringing together pupils' learning from multiple Science units, helping them to make connections between the key concepts and skills.</p>
History & Geography	<p>Where does our food come from? Looking at the distribution of the world's biomes and mapping food imports from around the world, children learn about trading fairly with a specific focus on Côte d'Ivoire and cocoa beans. They explore where the food for their school dinners comes from and the pros and cons of local versus global.</p>	<p>A local history study of Crystal Palace and the Great Exhibition Investigating local history during the Victorian period, pupils begin by using primary and secondary sources of evidence to find out about the Great Exhibition in Hyde Park, including its significance and popularity. They learn about its relocation to Sydenham, and the changes that consequently happened in the area which later became known as Crystal Palace. They continue to use primary sources of evidence to find out what happened to the Crystal Palace in 1936 when it was destroyed by fire. Finally they look for evidence in their local area including place names, visiting Crystal Place Park and looking for evidence in the landscape/stonework, and visiting the Crystal Palace Museum.</p>	<p>Anglo-Saxon Britain On a timeline, Pupils identify 4th C, when Roman troops were still in Britain until 8thC when the word English was then used to describe people of South Britain, identifying between these periods, there were invaders: Irish and Picts in West and North; Saxons from Europe part of North Germany and Scandinavia. Pupils develop their understanding of why people invade and settle, learning about the Anglo-Saxon invasion and Viking raids. They learn about Anglo-Saxon beliefs and how Christianity spread. Pupils consider the question 'Just how great was Alfred the Great' using sources if evidence to find out about his achievements and considering historical interpretation.</p>	<p>What are rivers and how are they used? Exploring the different ways water is stored and moves, pupils develop an understanding of the water cycle. They name and map major rivers both in the UK and globally. Children learn about the features and courses of a river and how they are used by humans, before studying a local river to spot these features.</p>	<p>Why are rainforests important to us? Focusing on the link between biomes and climate, children will locate the Amazon rainforest and explain how the vegetation in a tropical rainforest is defined by the two Tropics. They investigate the physical features and layers of the Amazon rainforest, considering how plants adapt to these conditions. Learning about the people who live in the rainforest, children discuss the impact of human activity locally and globally.</p>	<p>What was life like in Tudor Britain? During this unit Pupils look at portraits of Henry VIII and portraits of Elizabeth I as sources of evidence, considering interpretations and perceptions. Pupils learn about Henry VIII's divorce and break with Rome, and consider his motivations. They investigate and compare the lives of Tudor rich and poor, as well as studying what can we learn about Elizabethan England by studying how they enjoyed their leisure time. Pupils also learn about the defeat of the Spanish Armada, and consider how a small English fleet was able to defeat the Spanish.</p>
Art & Design Technology	<p>Painting and mixed media: Light and dark Developing skills in colour mixing, focusing on using</p>	<p>Structure: Pavilions Investigate and model frame structures to improve their stability, then apply this</p>	<p>Electrical systems: Torches Identify the difference between electrical and electronic products. Evaluate a</p>	<p>Cooking and nutrition: Adapting a recipe Our refreshed Y4 cooking and nutrition unit including</p>	<p>Craft and design: Fabric of nature Using the flora and fauna of tropical rainforests as a</p>	<p>Drawing: Power prints Using mechanical engravings as a starting point, pupils develop an awareness of</p>

	tints and shades to create a 3D effect. Experimenting with composition and applying painting techniques to a personal still life piece.	research to design and create a stable, decorated pavilion.	range of existing torches and their features, then develop a new functional torch design.	opportunities for children to learn a basic biscuits recipe and adapt it to suit a target audience.	starting point, children develop drawings through experimentation and textile-based techniques to design a repeating pattern suitable for fabric.	proportion, composition and pattern in drawing and combine media for effect when developing a drawing into a print.
RE	Buddhism Unit 2: Living as a Buddhist <ul style="list-style-type: none"> •What is the importance of a temple or a Buddhist center? •Why do Buddhists have images of the Buddha? 	Islam Part 2: Unit 3 – Ramadan and Eid ul Fitr <ul style="list-style-type: none"> •Why do Muslims fast during Ramadan? •How does fasting help Muslims to grow closer to Allah and to each other? •What lessons can be learned from Ramadan by everyone? •How do Muslims celebrate Eid? 	Islam Part 2: Unit 4 – Hajj – the journey of a lifetime <ul style="list-style-type: none"> •What is a pilgrimage? •Why do Muslims go on Hajj? •Which stories are associated with the places on Hajj? •How does the Hajj make Muslims feel they are all part of one family? 	Christianity Unit 6: Local Christian places of worship <ul style="list-style-type: none"> •Why are there different places of worship for Christians? •What similarities are there in what Christians believe? •How does coming together help Christians to grow in their faith? 	Sikhism Part 2: Unit 3 – The Gurdwara and the Guru Granth Sahib – final and everlasting Guru <ul style="list-style-type: none"> •How is the Gurdwara a center for worship and a place that demonstrates Sikh values? •Why is the Guru Granth Sahib ‘The Everlasting Guru’? 	Sikhism Part 2: Unit 4 – Belonging to the Sikh community <ul style="list-style-type: none"> •Why was Guru Gobind Singh important? •What is the significance of the Amrit Ceremony?
French	Revision of colours from yr3 Parts of the body Asking for french translation Zoo animals Verbs, quantifiers and adjectives Christmas - Phrases and vocabulary for work on snowman theme Phrases for playing a game Christmas - expressions		Learning a french rhyme – Meunier tu dors Members of the family Vocabulary for story: Le radis géant The verb to have Easter		Hobbies Numbers 12-31 Weather Clothes items for packing a suitcase	
PSHE	Healthy minds and healthy bodies Understanding and managing strong feelings Being assertive and positive decision-making	Anti-bullying Positive Friendships The role of the bystander in bullying Taking responsibility Feeling left out and feeling included	Different Families Same Love Challenging stereotypes Understanding family differences Understanding feelings of loss and separation	Living and Growing Growing and changing Understanding changes that take place during puberty E-safety: being share aware	Safety Feeling and Staying Safe Accidents and Prevention Drug Education: understanding the dangers of alcohol	Safety Feeling safe How trusted adults help us Making safe decisions Peer Influence
PE	Dance & Hockey	Tag Rugby & Cricket	Tennis & Netball	Swimming & Football	Swimming & Athletics	Swimming & Athletics (SD)
Computing	Kingswood Primary School Online Scheme of Work		Unit 4.2 We are makers In this unit, pupils will learn: <ul style="list-style-type: none"> •about the input – process – output model of computation •about the inputs and outputs available on a BBC micro: bit •to program using the Make Code block-based environment •to test and debug programs they write, using an on-screen simulator and the micro: bit • how to convert and transfer a program written on screen to the micro: bit. 		Unit 4.4 We are bloggers In this unit, pupils will learn to: <ul style="list-style-type: none"> •become familiar with blogs as a medium and a genre of writing •create a sequence of blog posts on a theme •incorporate additional media •comment on the posts of others •develop a critical, reflective view of a range of media, including text. 	Unit 4.6 We are meteorologists In this unit, pupils will learn to: <ul style="list-style-type: none"> •understand different measurement techniques for weather – both analogue and digital • use computer-based data logging to automate the recording of some weather data • use spreadsheets to create charts

						<ul style="list-style-type: none">● analyse data, explore inconsistencies in data and make predictions● practise using presentation and video software.
Music	Ukulele	Ukulele	Ukulele	Ukulele	Ukulele	Ukulele