

Year Four Long Term Plan

Subject	Autumn	Spring	Summer
Science	Food and the Digestive System Producers and consumers; Ecosystems; Food chains and food webs; Changes in ecosystems; Digestive system; Teeth types – incisors, canines, premolars, molars; Teeth health and dental hygiene; Working scientifically – Identifying and classifying, Observing changes over time, Comparative test, Pattern seeking, Research 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.	States of Matter Classifying solids, liquids and gases; Unusual materials; Particle theory; Change of state; Melting, freezing, evaporation and condensation; States of water; Measuring temperature; Investigating melting; Line graphs; Researching melting and boiling points; Working scientifically – Observing changes over time, Identifying and classifying, Pattern seeking, Comparative test, Research 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.	Animals: Classification and changing habitats Children explore different ways living things can be grouped and make classification keys. They study ways that habitats may change over time and understand that humans can have both positive and negative effects on their surroundings. Making connections: How does the flow of liquids compare? Bringing together pupils’ learning from multiple Science units, helping them to make connections between the key concepts and skills.
History	British history 3: What changed in Britain after the Anglo-Saxon invasion? Understanding how Britain changed after the Anglo-Saxon invasion by investigating settlement, beliefs and daily life in Anglo-Saxon England. Pupils explore the spread of Christianity, examine the impact of Viking raids and discover how Anglo-Saxon rule came to an end.	How did the achievements of the Ancient Maya impact their society and beyond? Children explore the achievements of ancient peoples like the Maya by investigating historical and archaeological evidence. Through the observation and analysis of artefacts, children scrutinise their settlement strategies in rainforests, the cultural significance of chocolate and the impact of their beliefs, inventions and decline within and beyond their society.	How have children’s lives changed? Examining how children’s lives have changed over time by investigating leisure, health and work in the past. Pupils compare the experiences of Tudor and Victorian children, identify continuities and changes and evaluate the significance of Lord Shaftesbury’s contribution to education and child labour reform.
Geography	Why are rainforests important to us? Examining the relationship between climate and biomes by locating the Amazon rainforest and investigating its physical features and vegetation. Pupils explore how plants and people adapt to life in the rainforest and consider the impact of human activity on this important environment locally and globally. Note: Lesson 4 involves fieldwork and may take longer than one hour.	Where does our food come from? Exploring global trade and food production by mapping the world’s biomes and tracing where food imports come from. Pupils investigate fair trade with a focus on Côte d’Ivoire and cocoa production, and consider the advantages and disadvantages of sourcing food locally and globally. Note: Lesson 5 involves fieldwork and may take longer than one hour. Sustainability lesson and World Earth Day Analyse patterns of resource use and waste in school.	What are rivers and how are they used? Investigating how water is stored and transferred by learning about the water cycle, rivers and their features. Pupils map major rivers in the UK and around the world, examine how people use rivers and apply their knowledge through studying a local river. Note: Lesson 6 involves fieldwork and may take longer than one hour.

Art and Design	Drawing: Exploring tone, texture and proportion 7 lessons Exploring tone, texture and proportion to create realistic and expressive drawings, inspired by artists Sarah Graham, Nicola McBride and Beatriz Milhazes. Pupils develop skills in shading, mark-making and composition using sweets, wrappers and bold patterns to produce detailed drawings with a strong sense of form and proportion.	Painting and mixed media: Light and dark 7 lessons Developing their colour-mixing skills, pupils use shades and tints to show form and create three dimensions in their paintings. They also learn about composition and plan their own still life to paint, applying chosen techniques.	Craft and design: Fabric of nature 6 lessons Using the flora and fauna of tropical rainforests as a starting point, pupils develop drawings through experimentation and textile-based techniques to design a repeating pattern suitable for fabric.
Design and Technology	Cooking & Nutrition: Adapting a recipe Designing and making biscuits for a chosen target audience by exploring existing products, following recipes and evaluating ingredients, taste and appearance. Pupils develop food preparation skills by adapting a biscuit recipe, creating their own design and evaluating how well their finished product meets the design criteria.	Mechanical Systems: Mechanical cars Exploring mechanical systems by building and testing prototype cars to identify effective design features. Pupils conduct market research, create design criteria and evaluate products from a customer perspective before designing their own mechanical car kit.	Electrical systems: Exploring electrical products Investigating electrical components and circuits and how they are used in everyday products to improve safety and convenience. Pupils build simple circuits with switches before designing their own electrical product using a cross-sectional diagram.
Music	South America (Instrumental lessons) Learning about the history and features of Latin America music, performing a salsa style song and playing from staff notation; performing a mini carnival using a range of performance techniques including song, dance, tuned and untuned musical instruments. Singing in parts: Loops and Layers Developing vocal technique, confidence and control by singing in rounds and performing musical loops. Pupils build independence, timing and listening skills while collaborating to create layered group performances.	Musical Motifs: Reading the stave Developing an understanding of musical notation by learning how notes move higher and lower on the stave through reading, playing and composing short musical motifs. Pupils apply their understanding by recognising patterns within musical phrases, creating motifs for characters and performing compositions using stave notation. Sounds of China: Scales and structure Examining traditional Chinese music through listening, improvising and performing, pupils deepen their understanding of the pentatonic scale. They create their own improvisations with a focus on structure and contrast, while developing collaborative and creative thinking skills through group performance.	Indonesia (Instrumental lessons) Discovering the features of gamelan music including the Slendro scale and cyclical rhythmic patterns, identifying traditional gamelan instruments, learning about the concept of an octave, exploring how different timbres are used in gamelan music Musical technology: Loop -based composition Developing digital literacy through music technology, pupils create and manipulate musical loops. They turn simple motifs into catchy loops using music software, then layer sounds and compose complementary parts to create their own digital compositions
Computing	Computing systems and networks 1 Collaborative learning Developing collaborative working skills through using online software to create and share digital content. Pupils apply their understanding by contributing to shared documents, creating presentations and forms and using shared spreadsheets to organise and explore data. Programming	Creating media Website design Developing research, word processing and collaborative working skills while learning how webpages and websites are created using Microsoft tools. Pupils explore how to change layouts, embed media and create links between pages before designing and building their own website content.	Programming 2 Computational thinking Developing computational thinking skills through decomposition, pattern recognition, abstraction and algorithm design to solve problems. Pupils apply these approaches by creating and evaluating a Scratch project, reflecting on how computational thinking improves digital solutions and programming outcomes.

	Further coding with Scratch Designing and programming a game using variables, sensors and 'if' statements to control outcomes and interactions. Pupils debug and evaluate their projects to improve functionality, refine gameplay and develop more effective game designs.	Online safety lessons unit to be taught during safer internet week in February	Data Handling Investigating weather Investigating how weather data is gathered, recorded and used to create forecasts through researching and using spreadsheets to organise information. Pupils design a weather station, collect and present data, and create their own weather forecast using tablets or digital cameras.
PE	Orienteering Football Tennis Netball	Gymnastics Hockey Tag Rugby Dance	Swimming (5 lessons) Sports Day Athletics Rounders
MFL (French)	Portraits- describing in French Learning adjectives for describing people's physical appearance and their personality. Creating simple sentences ensuring that the adjectives agree with the gender of the noun. Clothes- getting dressed in French Learning vocabulary to describe items of clothing, along with the different forms of the indefinite article. Incorporating previous learning about colour into their descriptions of clothing and recapping the concept of adjectival agreement. Expressing their opinions about outfits in French.	French numbers, calendars and birthdays Children learn French numbers 1-31, the days of the week, months of the year, dates and seasons through maths and songs and class surveys; they research of dates of French festivals and revise the unit by having a traditional French birthday celebration in the classroom.	French Food-miam, miam! French food, cafés, ordering and menus - 'Yum Yum' - or 'Miam, Miam' ! This unit introduces food vocabulary and revises numbers to 100, this time in the context of money and prices. The unit encourages children to develop their language detective skills and confidence with practical conversational French.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Religious Education	Strand: Beliefs and Questions -Theology Key Question: Who do Christians believe Jesus is? Religion: Christianity Video "How does your belief in God affect your daily life?" - CofE & Baptist& Roman Catholic	Strand: Community and Identity Key Question: How and why has Christian practice changed over time? Religion: Christianity	Strand: Beliefs & Questions - Theology Key Question: How do Hindus understand who God is? Religion: Hinduism Video "How special is your relationship with God?" - Hinduism	Strand: Reality & Truth Key Question: Does prayer make a difference and how do Christians know? Religion: Christianity	Strand: Community and identity (Human and Social Science) Key Question: What role does worship play in the life of a Hindu? Religion: Hinduism Video "How does your belief in God affect your daily life?" - Hinduism	Strand: Reality and Truth (Philosophy) Key Question: How and why do people argue that some places can be spiritual? Religion: Christianity and Hinduism

Personal, Social, Emotional Sex and Relationships Education	Jigsaw - Being Me in My World Growth Mindset – From failure to success Kapow Wellbeing Unit lesson 1 Zones of Regulation Autumn Term lessons 1-6	Jigsaw – Celebrating Differences Growth Mindset – Bounce! Kapow Wellbeing Unit lesson 2 Zones of Regulation Autumn Term lessons 7-12	Jigsaw – Dreams & Goals Growth Mindset – Doom Words Kapow Wellbeing Unit lesson 3 Zones of Regulation Spring Term Lessons 1-6	Jigsaw – Healthy Me Growth Mindset – Mindset Trumps Kapow Wellbeing Unit lesson 4 Zones of Regulation Spring Term lessons 6-11	Jigsaw – Relationships Growth Mindset – Fantastic Elastic Brain Zones of Regulation consolidation	Jigsaw- Changing Me (alternative lesson-week 2-2a) Growth Mindset – Learning cereals Kapow Wellbeing Unit lesson 5 Zones of Regulation consolidation
Collective Worship	Harvest Water Aid – When I needed a neighbour – I was hungry and thirsty Matthew 25:35	Christmas The shepherds		Easter Prayers for Easter service		