

Year Six Long Term Plan

Subject	Autumn	Spring	Summer
Science	Living Things: Classifying Big and Small Children broaden their knowledge of how vertebrates, invertebrates, plants and micro-organisms are grouped using shared characteristics. They discover how Carl Linnaeus developed the Linnaean and binomial systems for classifying and naming living things. Pupils use and produce branching and number classification keys to sort and identify organisms. Energy: Light and Reflection Proving that light travels in a straight line, children use this information to explain observations of reflection and shadows. Pupils investigate the effect of moving an object away from the surface it casts a shadow on and the relationship between the incoming and reflected rays on a mirrored surface. Exploring real uses of mirrors allow children to apply what they have	Living Things: Evolution and Inheritance Studying patterns in humans and other species, children learn about characteristics that are inherited and those that are environmental. Through the eyes of Darwin and Wallace, pupils understand how observations lead to theories. By modelling finches' variation and natural selection, they begin to explain how species evolve and the role of fossil evidence that supports this theory. Energy: Circuits, Batteries and Switches Revisiting electrical circuits, children learn to draw conventional circuit diagrams and use models to explain current, resistance and voltage. They compare different batteries and relate this to the effects on bulb brightness. Pupils apply their knowledge of switches and electrical circuits to design and produce their own practical devices.	Animals: Circulation and Health Studying the human circulatory system, children learn about the role of the heart, blood and blood vessels and use models to demonstrate their function. They explore how lifestyle choices affect our health and use secondary sources to advise patients. Pupils devise their own investigation to look at the relationship between exercise and heart rate, applying their knowledge of variables and then analysing secondary data to understand fitness better. Making Connections: Are Some Sunglasses Safer Than Others. Bringing together pupils' learning from multiple Science units, helping them to make connections between the key concepts and skills
History	What Was The Impact of World War 2 On The People of Britain? Learning about the impact of World War 2 on Britain by exploring its causes and the experiences of people during the conflict. Pupils investigate how the war affected soldiers, civilians and migrants, using sources such as photographs, propaganda posters and oral histories to understand life during this period.	What Does the Census Tell Us About Our Local Area? Examining how census records can help historians understand the past by making inferences about people's lives in different time periods. Pupils investigate Victorian jobs, the suffrage movement and the interwar years, while considering how census data has changed over time and evaluating its usefulness and limitations as a historical source. Note: In Lesson 6, pupils plan and carry out their own enquiries about who lived in their local school area.	Unheard histories: Who should go on the £10 note? Considering what makes a person historically significant by investigating why historical figures appear on banknotes. Pupils explore the criteria for significance, debate the achievements of different individuals and create a persuasive case for who should appear on a £10 note.
Geography	Why Do Oceans Matter? Exploring the importance of our oceans and how they have changed over time with a focus on the Great Barrier Reef, specifically addressing climate change and pollution. <i>(To be changed in 2027-28 to Why does population change)</i>	Where Does Our Energy Come From? Investigating how natural resources and energy are used in the UK and the USA while learning about global time zones. Pupils compare renewable and non-renewable energy sources, consider their impact on people and the environment and carry out fieldwork to identify the best location for a solar panel on the school grounds. Note:	Can I carry out independent fieldwork enquiry? Applying geographical enquiry skills by investigating an issue in the local area. Pupils develop their own enquiry question, collect and analyse data using chosen methods and present their findings and conclusions. Note: Lesson 4 involves fieldwork and may take longer than one hour. This unit could also be considered a transition project,

		Lesson 6 involves fieldwork and may take longer than one hour. Sustainability lesson and World Earth Day What actions can we take to make the world more sustainable?	allowing primary pupils to collaborate with secondary school pupils.
Art and Design	Craft and design: Photo opportunity 6 lessons Exploring photography as a medium for expressing ideas, pupils investigate scale and composition, colour and techniques for adapting finished images. They use digital media to create photographic imagery in response to a specific design brief.	Drawing: Expressing ideas 7 lessons Exploring how drawing can be used to express ideas and messages, inspired by a range of street art examples and environmental themes. Pupils investigate how artists use perspective, scale and proportion to create impact before designing and creating a street-art-inspired final piece that communicates a message about sustainability and the environment.	Sculpture and 3D: Making memories 6 lessons Reflecting on primary school memories through sculpture and assemblage using found objects and hand-sculpted forms. Pupils select meaningful objects and materials before designing and creating a personal memory box with symbolic and personal significance.
Design and Technology	Textiles: Bags Designing pattern pieces, making a bag for a specific user and thinking about aesthetics and functionality.	Digital World: Navigating the World Designing a product and programming it to function as a compass and a pedometer.	Food and Nutrition: Come dine with me Developing food preparation and evaluation skills by researching and preparing a three-course meal. Pupils investigate the journey of a main ingredient from 'farm to fork', taste-test and score their dishes, and write a recipe for a favourite meal.
Music	Four- Chord Pop: Playing in a band Exploring the key features of pop music, including harmony, rhythm and ensemble performance, and how music can express shared feelings and experiences. Pupils develop vocal and instrumental skills before combining bass lines, chords, rhythms and harmonies to perform confidently as a pop band. Songs that speak: Lyrics and messages Exploring how songs communicate messages through lyrics, musical elements and performance, using the song 'Hall of Fame' as a context for learning. Pupils analyse song lyrics, write and perform their own verses, accompany them with chords and refine their performances to communicate a clear message to an audience.	Music Technology: Film soundtracks Exploring musical theatre and how music helps to tell stories through solos, duets and ensemble performances. Pupils explore how composers use musical elements to create mood and develop narrative before extending their vocal skills through singing in 3/4 time and performing across a wider vocal range. Themes and variations: Developing melodies Investigating the musical form of theme and variations through combining a range of composition techniques. Pupils experiment with changing rhythm, pitch, dynamics and texture to transform a simple theme and compose their own contrasting variations.	Y6 Leavers performance

Computing	Computing systems and networks Bletchley Park and the history of computers Investigating secret codes, secure passwords and the history of computers to understand how technology and cybersecurity have developed over time. Pupils research past computers before designing a computer of the future and creating an audio advert to present their ideas. Computing systems and networks Exploring AI Exploring what AI is and how it generates text, images and code. Pupils learn about creating and refining prompts to improve AI responses while also considering the ethical implications of AI and its potential to replace human roles.	Data Handling Big Data 1 Exploring how data is transmitted and used in everyday technology through barcodes, QR codes, infrared communication and RFID systems. Pupils investigate real-world applications of digital data before collecting, analysing and evaluating transport and tracking information. Online safety lessons unit to be taught during safer internet week in February Programming Intro to Python Exploring programming through Logo and Python while learning how loops, nested loops and random numbers control digital outcomes. Pupils experiment with coding techniques and apply their understanding to create algorithmic artwork inspired by Piet Mondrian.	Skills showcase Inventing a product Designing an electronic product using coding, debugging and computer-aided design to understand how digital technologies support product development. Pupils also create a website and video advert to present and promote their product ideas.
PE	Swimming (5 lessons) Hockey Dance Football OAA (3 day residential)	Gymnastics Indoor athletics Tag rugby Tennis	Cricket Handball Athletics Rounder Sports Day
MFL (French)	French Sport and the Olympics Conjugating the verb aller – to go, identifying correct prepositions, learning sports vocabulary, expressing preferences plus the infinitive; revisiting nouns for countries and learning how to contract articles when using the verb faire. In my French house Pupils learn how to describe a house, the different rooms and who lives there. They also learn about prepositions to explain where items are arranged in their bedrooms and consolidate the grammar and vocabulary they have learned by writing a letter to describe their family, home and bedroom.	Planning a French holiday The children learn to use a combination of present and near-future tenses, and become familiar with holiday-related vocabulary around packing a suitcase and planning a journey. They explore which countries they might visit and why and ultimately research and plan a holiday to France.	Visiting a town in France Learning directional, transport and town vocabulary together with prepositional phrases, the children describe their journey to school, plan a trip to France and become tourist guides, giving reasoned opinions on which places in town to visit; finally, the children create a tourist leaflet, in French, for their own local area.

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Religious Education	Strand: Human and Social Science – Community and Identity Key Question: How and why do Christians try and make the world a better place? Religion: Christianity	Strand: Reality and Truth Key Question: How do people make valid judgements about how and why the world is as it is? Religion: Christianity	Strand: Beliefs and Questions (Theology) Key Question: What is the significance of Karma and Moksha for a Hindu? Religion: Hinduism	Strand: Beliefs and Questions Key Question: How far is belief in the resurrection important to Christians today? Religion: Christianity	Strand: Community & Identity (Human and social Science) Key Question: What might a Hindu gain from a pilgrimage to India? Religion: Hinduism	Strand: Reality and truth (Philosophy) Key Question: Do we need a deity to be committed to creating a better world? Religion: Humanism Video- “What is sacred to Humanists?” - Humanism Virtual tour of Humanist building https://understandinghumanism.org.uk/conway-hall-virtual-tour/
Personal, Social, Emotional Sex and Relationships Education	Jigsaw - Being Me in My World Growth Mindset - Don't say.. Say... Kapow Wellbeing Unit lesson 1 Zones of Regulation Autumn Term lessons 1-6	Jigsaw – Celebrating Differences Growth Mindset – Diamond Minds Kapow Wellbeing Unit lesson 2 Zones of Regulation Autumn Term lessons 7-12	Jigsaw – Dreams & Goals Growth Mindset -Barriers to learning Kapow Wellbeing Unit lesson 3 Zones of Regulation Spring Term Lessons 1-6	Jigsaw – Healthy Me Growth Mindset – Brain v Calculator Kapow Wellbeing Unit lesson 4 Zones of Regulation Spring Term lessons 6-11	Jigsaw – Relationships Growth Mindset – Mathematical Mistakes Zones of Regulation consolidation	Jigsaw- Changing Me Lesson 3 Sex Education- Babies: Conception to Birth (right to withdraw) Alternative lesson 4: Adolescent Friendships rather than Boyfriends/Girlfriends. Growth Mindset – Learning Pathways Kapow Wellbeing Unit lesson 5 Zones of Regulation consolidation

Collective Worship	Harvest Fruits of the spirit. Galatians 5:22-23	Christmas Prayers		Easter The resurrection		
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