

Year Six	Autumn Term		Spring Term	Summer Term	
Science	<u>Classifying big and small</u> Children will broaden their knowledge of how vertebrates, invertebrates, plants and micro-organisms are grouped using shared characteristics. They will discover how Carl Linnaeus developed the Linnaean and binomial systems for classifying and naming living things. They will also use and produce classification keys to sort and identify organisms.	<u>Light and reflection</u> Children will prove that light travels in a straight line and use this information to explain observations of reflection and shadows. They will explore how our eyes allow us to see and how mirrors can be used in a variety of ways. Children will investigate factors affecting the size of shadows and the laws of reflection. They will also apply what they have learned about light by exploring real-life uses of mirrors.	<u>Evolution and inheritance</u> Children will study patterns through families and learn about characteristics that are inherited from parents and those that are environmental. Through the eyes of Darwin and Wallace, they will understand how observations lead to theories and explore natural selection. Through modelling the variation and natural selection of Darwin's finches, children will begin to explain how species evolve over time and incorporate fossil evidence that supports this theory.	<u>Circuits, batteries and switches</u> Children will use their prior knowledge of electrical circuits, learn to draw conventional circuit diagrams and use models to explain current and voltage. They will make their own batteries, relate this to their knowledge of voltage and explore how battery research has impacted other scientific progress. Children will investigate the use of switches and fuses and apply their electrical knowledge to design and produce their own electrical device.	<u>Circulation and exercise</u> Children will explore the human circulatory system, learn about the role of the heart, blood and blood vessels and use models to demonstrate their function. They will play the role of healthcare professionals to diagnose patients and play games to explore how lifestyle choices affect our health. They will devise their own investigation to look at the relationship between exercise and heart and breathing rates, applying their knowledge of variables.
Design Technology	<u>Textiles: Waistcoats</u> Children will select suitable fabrics, using templates, pinning, decorating and stitching to create a waistcoat for a person or purpose of their choice.		<u>Structure: Playgrounds</u> Children will design and create a model of a new playground featuring five apparatus, made from three different structures. They will be creating a footprint as the base; pupils visualise objects in plan view and get creative with their use of natural features.	<u>Digital World: Navigating the World</u> Children will use a programming navigation tool to produce a multifunctional device for trekkers. They will be combining 3D objects to form a complete product in CAD 3D modelling software and present a pitch to 'sell' their product.	

Art and Design	<p><u>Craft and Design: Photo Opportunity</u> Children will explore photography as a medium for expressing ideas; they will investigate scale and composition, colour and techniques for adapting finished images. Children will use digital media to design and create photographic imagery for a specific design brief.</p>	<p><u>Drawing: Make My Voice Heard</u> On a journey from the Ancient Maya to modern-day street art, children will explore how artists convey a message. They begin to understand how artists use imagery and symbols as well as drawing techniques like expressive mark making, tone and the dramatic light and dark effect called 'chiaroscuro'.</p>	<p><u>Sculpture and 3D: Making Memories</u> Documenting their memories of their time at primary school, children will select their favourite art and design skills and techniques to design and create a 3D artwork to represent these memories.</p>
Geography	<p><u>Population</u> Children will look at global population distribution and think about why certain areas are more populated than others. They will explore the factors that influence birth and death rates and use case studies to illustrate these. Children consider and discuss the social, economic and environmental push and pull factors that influence migration. They will carry out fieldwork to explore the impact of population on the local environment.</p>	<p><u>Energy</u> Children will learn about time zones around the world while exploring natural resources and energy found in the United States and the United Kingdom. Children will learn about renewable and non-renewable energy sources and impacts these have on society, economy and environment. They will carry out a fieldwork investigation considering the best location for a solar panel on the school grounds.</p>	<p><u>Local Geography: Being Environmentally Friendly</u> Children will observe, measure, record and present their own fieldwork study of the local area with a focus on the environment. Children will implement digital mapping, use of photographs, data collection and analysis, before culminating their ideas into a presentation explaining small changes that can be made to improve the quality of their local environment.</p>
History	<p><u>World War II</u> Children will extend their chronological knowledge beyond 1066 by learning about WWII and how it changed society. Children will learn about the different reasons why Britain went to war in 1939 and investigate the experiences of families during the Blitz. Using a range of sources which are new to them including video</p>	<p><u>Local History: Census</u> Children will investigate local history during the Victorian period by carrying out an enquiry using the census, parish register and factory records. They will learn about the changes to the family over a period and suggest reasons for these changes, linking them to national events. They will also plan their own historical enquiry by researching a local family and photographs, children will reconstruct the feelings of those living on the home front in World War II.</p>	<p><u>Unheard Histories</u> This unit prepares the children for the challenges of Key stage 3 History. It gives them the historical skills of inference, extracting information from sources, evaluating historical figures and the opportunity, like historians, to decide their criteria for significance. Children will consider the contributions to Britain of a diverse group of people, whose experiences are less well-known. They will discuss the significance of people on banknotes.</p>

RE Links to the 24 Dispositions	<u>Living by rules</u> Links between ten Commandments and UK law Traditions and The Golden Rule Importance of empathy, compassion, reason and respect <u>Being Fair and Just Persecution</u> The story of the woman at the well Jesus' teaching and example of treating others fairly The story of Prophet Daud (David)	<u>Creating Unity and Harmony</u> Value of diversity and teachings about respect Friday Prayers <u>Creating Inclusion Identity and Belonging</u> The importance of names and titles	<u>Remembering Roots</u> Remembrance Day The story of Noah Black Lives Matter <u>Being Courageous and Confident</u> Wearing the Kippah The work of the Street Pastors Baisakhi and Amrit The story of Angulimala	<u>Responding to suffering</u> Easter <u>Being Merciful and Forgiving</u> Easter Forgiveness	<u>Expressing Joy</u> Eid ul Fitr and Eid ul Adha <u>Appreciating Beauty</u> The Lord's Prayer	<u>Curious and Valuing Knowledge</u> The importance of Knowledge Holy Scriptures Belief in God <u>Being Reflective and Self Critical</u> The concept of salvation Reincarnation and the concept of Moksha
Skills Builder	<u>Legal Eagles</u> In this unit children will explore different legal professions and work in teams to take of one of three criminal cases e.g. cyberbullying, theft or vandalism. Essential Skills: Listening, Presenting and Teamwork		<u>Construction Counts</u> In this unit children will learn about the role of an architect and engineer to design and construct a new building to benefit the local population. Essential Skills: Problem Solving, Creativity and Aiming High		<u>Big Business Challenge</u> In this unit children will launch their own mini business with a final summer fair in order to raise funds. Essential Skills: Staying Positive, Aiming High and Leadership	
Relationship and Health Education	<u>Being a Respectful and Responsible Individual</u> Children will learn that there are a range of families in society. They will learn that marriage is a legal commitment between two people. They will consider why some groups are disadvantaged in society and be aware of the importance of respect when dealing with others. Children will deepen their understanding of the nature and consequences of discrimination, teasing, bullying and aggressive and how to respond and ask for help if they experience it or see it. Children will revisit and deepen their understanding of healthy and unhealthy relationships. Children will build n their knowledge of puberty and its effects on the body and emotions. Parents have the option to remove their child from the sex education lesson.					
Paths	<u>Unit 1: Getting back into PATHS</u> Children review what they have learned in PATHS revisiting and extending calming down techniques, learning about handling stress, making good decisions and getting help.	<u>Unit 3: Conflict Resolution</u> Children will learn what is conflict is and how it can be resolved. They will explore different ways of managing conflict and how to resolve conflict.	<u>Unit 5 - Endings and Transitioning</u> Children will be prepared for the transition from primary to secondary school. They will explore the importance of valuing past experiences and looking forward to the future. Children will understand the			

	<p><u>Unit 2 – Study and Organisational Skills</u> With a view of starting secondary school this unit helps children consider, listening skills, organisational skills and study skills.</p>		<p><u>Unit 4 – Respect</u> Children will deepen their understanding or what respect is and the importance of respecting others and their differences.</p>		<p>feeling of anxiety and explore different ways of managing this feeling.</p>	
Music	<p><u>Songs of WW2</u> Children will listen to WW2 music. They will learn to improve accuracy in pitch and control, singing with expression and dynamics. They will learn how to notate a melody using pitches up to an octave</p>	<p><u>Baroque</u> Children will define some key features of Baroque music and take part in a vocal improvisation task. They will play several parts of a canon using staff notation and compose a ground bass melodic ostinato.</p>	<p><u>Pop Art</u> Children will explore the musical concept of theme and variations, comparing and contrasting different variations in the piece 'The Young Person's Guide to the Orchestra'.</p>	<p><u>Film Music</u> Children will appraise different musical features in a variety of film contexts. They will identify and understand some composing techniques in film music.</p>	<p><u>Fingal's Cave</u> Children will appraise the work of the classical composer, Felix Mendelssohn. They will use their knowledge of dynamics, texture and pitch to create a group composition.</p>	<p><u>Composing a Leaver's Song</u> Children will identify and evaluate the musical features of a song; They will contribute ideas to compose and perform a leaver's song.</p>
Computing	<p><u>Coding (CS)</u> Children will design, write and debug programs that accomplish specific goals. They will use sequence, selection and repetition in programs, work with variables and various forms of input.</p> <p><u>Online Safety (DL)</u> Children will use technology safely, respectfully and responsibly, recognising acceptable and unacceptable behaviour, identifying a range of ways to report concerns.</p> <p><u>Blogging (IT)</u> Children will select, use and combine a variety of software on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.</p>		<p><u>Text Adventures (IT)</u> Children will select, use and combine a variety of software on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.</p> <p><u>Networks (CS)</u> Children will understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration.</p>		<p><u>Quizzing (IT)</u> Children will select, use and combine a variety of software to design and create a range of systems that accomplish given goals, including collecting, analysing, evaluating data and information.</p> <p><u>Binary (IT)</u> Children will learn to recognise that digital systems represent all types of data using number codes that are patterns of 1s and 0s called the binary system.</p> <p><u>Spreadsheets (IT)</u> Children will select, use and combine a variety of software on a range of digital devices to design and create a range of programs, systems and content.</p>	

<p>PE</p>	<p><u>Yoga</u> Children will learn how to complete yoga poses and techniques that will help them to connect their mind and body.</p> <p><u>Rounders</u> Children will learn how to play the different roles of the game and apply tactics in these positions.</p>	<p><u>Volleyball</u> Children will focus on developing the skills they need to play continuous rallies in volleyball.</p> <p><u>Netball</u> Children will develop receiving, shooting defending and marking skills.</p>	<p><u>Gymnastics</u> Children will learn how to use variations in level, direction and pathway and how to combine and link actions when developing sequences.</p> <p><u>OAA</u> Children will learn how to use compasses and follow compass directions. They will apply these skills to map reading.</p>	<p><u>Dance</u> Children will work creatively and imaginatively to choreograph motifs and simple dance structures.</p> <p><u>Tag Rugby</u> Children will learn how to use attack and defence skills opponent, working as a defensive unit.</p>	<p><u>Fitness</u> Children will learn different components of fitness; speed, stamina, strength, coordination, balance and agility.</p> <p><u>Cricket</u> Children will learn to understand and use some tactics in the game as a batter, bowler and fielder. They will strike a bowled ball with</p>	<p><u>Dodgeball</u> Children will use a range of skills in the game. They will use tactics to help their team.</p> <p><u>Athletics</u> Children will develop their running styles and techniques for jumping and throwing events.</p>
<p>French</p>	<p><u>French Sport and the Olympics</u> Children will learn the names of sports and countries around the world. They will learn and use the verb 'to go.'</p>	<p><u>French Football Champions</u> Children will explore methods for remembering words. They will develop their translating and oral presentation skills.</p>	<p><u>In My French House</u> Children will learn vocabulary to describe their family and home. They will use prepositions in their oral and written work.</p>	<p><u>Planning a French Holiday</u> Children will research and plan a holiday to France. They will use a combination of present and future tense.</p>	<p><u>Visiting a Town in France</u> Children will learn and use directional, transport and town vocabulary. They will produce a tourist leaflet in French.</p>	