Year 4 Topic 6 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Science Electricity	To identify appliances that run on electricity	To use components to make simple circuits	To make predictions about circuits	To understand how switches work	To recognise conductors and insulators	To demonstrate an understanding of simple electrical circuits and their components
Vertical links	To identify materials and explain their suitability for a given purpose	To construct food chains			To know the effect of heating and cooling To identify materials and explain their suitability for a given purpose To describe the properties of a range of materials	To name and locate different parts of the digestive system and their role To demonstrate an understanding of sound
Horizontal links		To know how circuits work To research different types of torches and understand how they work To make a torch that is functional	To know how circuits work	To know how circuits work To make a torch that is functional	To make a torch that is functional	

History Local study - Bancroft	To describe the chronology of the Bancroft Villa	To describe the locational geography of Roman settlements in Milton Keynes	To understand how Roman mosaics were constructed	To describe how Bancroft Villa changed over time	To investigate the Bancroft Villa	To demonstrate an understanding of Bancroft Villa
Vertical links	To know where and when the Roman Empire began and how it spread across Europe	To know where and when the Roman Empire began and how it spread across Europe		To understand the Romanisation of Britain and the lasting impact on today's society	To compare Ancient Greek homes to other civilisations To understand the Romanisation of Britain and the lasting impact on today's society To describe how Stone Age people lived	To understand the Romanisation of Britain and the lasting impact on today's society To compare the key features of a Stone Age settlement and how it impacts modern communities To compare housing construction techniques with the Bronze Age
Horizontal links			To use joining techniques to create sculptures To know how templates can be used to create patterns To explore ideas for an abstract pattern			
Geography						
Vertical links						
Horizontal links						
Art and Design						
Vertical links						
Horizontal links						

Design Technology Electrical circuits – torches	To explore different types of torches and understand how they work	To know how circuits work	To use research and develop design criteria to inform the design of a torch that is functional and fit for purpose	To create a torch that is functional	To create a torch that is functional	To evaluate their ideas and products against their own design criteria
Vertical links	To research different biscuits and their recipes To research different car chassis and understand how they work		To make a biscuit following the design brief To use research and develop design criteria to inform the design of a slingshot car	To make a biscuit following the design brief To create a slingshot car that uses a chassis	To make a biscuit following the design brief To make a purposeful and functional cushion	To evaluate our biscuits based on existing products within our budget To evaluate our slingshot car based on our success criteria
Horizontal links	To understand reflection	To use components to make simple circuits To make predictions about circuits To understand how switches work		To understand reflection To know the factors affecting the size of shadows	To know the factors affecting the size of shadows	
Religious Education Islam – inspirations and influences from other Muslims and celebrations	To know what the Qu'ran is and why is it important to Muslims	To understand the three key things that the Qu'ran teaches us about Allah, human life and the world	To know what the Five Pillars of Islam are and why they are important to Muslims	To know how Muslims mark and/or celebrate Eid	To know how Muslims mark the two different Eid celebrations	To know why and how Muslims are influenced in the way they live by the example of others
Vertical links	To know how Muslims worship To know how Christians use the bible to learn about God	To know what Muslims believe about Allah (God) To know how and why Muslims use different names for Allah To know what the Qur'an teaches Muslims about Allah	To know why Diwali is important to Hindus To know how and why Muslims perform pilgrimage To understand that Mecca is a key pilgrimage	To understand why Holi is an important festival for Hindus To know why Christians celebrate Christmas To know why Diwali is important to Hindus	To understand why Holi is an important festival for Hindus To know how Christians celebrate Easter To know how Muslims mark and celebrate Ramadan	To know how Hindus are influenced in the way they live by the example of others, particularly other Hindus
Horizontal link						

Computing Audio Production	To identify that sound can be recorded	To explain that audio recordings can be edited	To recognise the different parts of creating a podcast project	To apply audio editing skills independently	To combine audio to enhance my podcast project	To evaluate the effective use of audio
Vertical links	To identify that commands have an outcome	To explain that in programming there are infinite loops and count-controlled loops	To recognise how networked devices make up the internet			To evaluate the consequences of unreliable content
Horizontal links	To know how we hear sounds To know how the volume of an instrument is changed To know how the pitch of an instrument is changed	To know how we hear sounds To know how the volume of an instrument is changed To know how the pitch of an instrument is changed		To know how we hear sounds To know how the volume of an instrument is changed To know how the pitch of an instrument is changed		
Physical Education rounders Tennis	To develop throwing and catching with accuracy and use these skills in games To develop racquet and ball control	To develop bowling and learn the rules of the skill within this game To develop returning the ball using a forehand and understand when to use it	To develop batting technique and understand where to hit To develop the backhand and understand when to use it	To play different roles and use simple tactics in games To keep a continuous rally going showing increased technique	To play different roles in a game and begin to think tactically about each role To use and apply rules and simple tactics	To use skills and knowledge to compete in a tournament To understand and use rules to manage a game
Vertical links	To use an underarm or overarm throw To remain well-balanced when catching a ball	To use an underarm or overarm throw To remain well-balanced when catching a ball	To remain well-balanced when catching a ball To hit a ball with a racquet To perform correct techniques when throwing a ball	To remain well-balanced when catching a ball	To remain well-balanced when catching a ball	To remain well-balanced when catching a ball To hit a ball with a racquet To perform correct techniques when throwing a ball
Horizontal links						

PSHE Changing Me	To know that babies are made by male sperm joining with a female's ovum	To label the parts of men and women that make babies and how this happens	To describe how a girl's body changes in order for her to be able to have babies when she is an adult	To know how the circle of change works and can apply it to changes we want to make in our lives	To identify changes that have been and may continue to be outside of our control	To understand the changes, we go through as humans and how this can differ between boys and girls
Vertical links	To know that puberty happens so we can make babies	To understand how complex our bodies are and how important it is to take care of them To understand that boys' and girls' bodies need to change so that when they grow up their bodies can make babies	To understand how exercise affects our bodies To understand that in animals and in humans lots of changes happen between conception and growing up To understand that boys' and girls' bodies need to change so that when they grow up their bodies can make babies	To tell you about some of my hopes and dreams	To face new challenges positively, make responsible choices and ask for help To understand that some people face difficult challenges every day	To know that sometimes assumptions are made based on the way we look To know what is special about them and value the ways in which they are unique To understand how exercise affects our body
Horizontal links		To name and locate parts of the digestive system To name different types of teeth and their functions		To infer emotions To explore character traits		
Music Ukulele	To play notes F and C to accompany the song "London Bridge"	To play notes F and C to accompany the song "Hot Cross Buns"	To play the G chord on a ukulele to accompany the song "Frere Jacques"	To play G and C on the ukulele to accompany the song "Zoo Time"	To rehearse a song of choice on the ukulele to prepare for a performance and to evaluate own performance	To perform a piece of music on the ukulele to an audience
Vertical links	To know the difference between steps and skips	To know what a four-bar phase is	To know what a four-bar phrase is	To know how to play note A on a ukulele		To know the musical alphabet consists of the letters A to G
Horizontal links						To know how we hear sounds To know how the pitch of an instrument is changed

MFL Weather and ice cream	To be able to describe the weather	To write a written description of the weather	To name the seasons	To learn the flavours of ice cream	To express a preference for ice cream flavours	To apply language skills to another language (Spanish)
Vertical links	To know what an adjective is	To apply phonic knowledge to support their sentence writing				
Horizontal links	To use ambitious adjectives		To explore seasons, months, weeks and days		To research and explore different biscuits and their recipes	