Year 6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science	Biology How should you	Biology Where do our	Physics What's this thing	Physics How do we see?	Biolo	ду
	treat your body?	ancestors come from?	we call electricity?	Light	Are you alive?	
	Animals inc. humans	Evolution and Inheritance	Electricity	(Wellacre box)	Living things and	their habitats
	Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function Describe the ways in which nutrients and water are transported within animals, including humans. Explore and answer questions that help them to understand how the circulatory system enables the body to function. How to keep their	Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. To be introduced to the idea that	(Wellacre box) To associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. Use recognised symbols when representing a simple circuit in a diagram. Construct simple series circuits, to	Recognise that light appears to travel in straight lines. Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	Describe how living thing broad groups according observable characteristic similarities and difference organisms, plants and an Give reasons for classifyir based on specific characteristic to be introduced to the i groupings, such as micro and animals can be subto Discuss reasons why living one group and not anoth Find out about the signifi- scientists such as Carl Lin classification. Using classification system some animals and plants environment. Research unfamiliar anim broad range of other hal where they belong in the	to common cs and based on es, including micro- imals. ng plants and animal cteristics. dea that broad -organisms, plants divided. g things are placed ir her. cance of the work of naeus, a pioneer of ns and keys to identif in the immediate hals and plants from a bitats and decide

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	bodies healthy and	characteristics are	help them to	Explore the way that	
	how their bodies might	passed from parents	answer questions	light behaves,	
	be damaged –	to their offspring, for	about what	including light	
	including how some	instance by	happens when they	sources, reflection	
	drugs and other	considering different	try different	and shadows.	
	substances can be	breeds of dogs, and	components, for	Talk about what	
	harmful to the human	what happens when,	example, switches,	happens and make	
	body. exploring the	for example,	bulbs, buzzers and	predictions.	
	work of scientists and	labradors are crossed	motors.	Work scientifically by	
	scientific research	with poodles.	To represent a	designing and	
	about the relationship	Appreciate that	simple circuit in a	making a periscope	
	between diet,	variation in offspring	diagram using	and using the idea	
	exercise, drugs,	over time can make	recognised symbols.	that light appears to	
	lifestyle and health.	animals more or less	Learn about series	travel in straight lines	
		able to survive in	circuits, not parallel	to explain how it	
		particular	circuits.	works.	
		environments, for	Take the necessary	Investigate the	
		example, by	precautions for	relationship between	
		exploring how	working safely with	light sources, objects	
		giraffes' necks got	electricity.	and shadows.	
		longer, or the	Identify the effect	Extend their	
		development of	of changing one	experience of light by	
		insulating fur on the	component at a	looking a range of	
		arctic fox.	time in a circuit.	phenomena	
		Find out about the		including rainbows,	
		work of		colours on soap	
		palaeontologists such		bubbles, objects	
		as Mary Anning and		looking bent in water	
		about how Charles		and coloured filters.	
		Darwin and Alfred			
		Wallace developed			
		their ideas on			
		evolution.			

Computing	MULTIMEDIA Animation (ipads – stop motion)	CODING (PM) Unit 6.1 Coding Turing Tumbles	ONLINE Online safety Blogging	ONLINE NETWORKS (PM) Unit 6.6 Understanding WWW and Who Tim Berners Lee is	MULTIMEDIA QUIZZING (PM) Unit 6.7 Create a quiz for younger children	DATA (PM) Unit 6.3 or Excel Spreadsheets - Budgets
	 What is an animation? Animation is the process of giving the illusion of movement to drawings, models, or inanimate objects. Animated motion pictures and television shows are highly popular forms of entertainment. What is meant by onion skinning? Onion skinning is a 2D computer graphics term for a technique used in creating animated cartoons and editing movies to see several frames at once. What is meant by stop frame animation? Stop motion animation is a filming technique in which objects (such as clay models) are photographed in a 	How can you use Tabs? Tabs are used to organise your code and make it more readable. This also makes it easier to debug. What is a function in coding? A function is a block of code that you can access when you need it, so you don't have to rewrite the same block repeatedly. You call the function each time you want it. What is a variable? A named area in computer memory. A variable has a name and a value. The program can change this variable value. Debug/Debugging: Looking for any problems in the code, fixing and testing them.	E-Safety Digital Footprint What is a blog? A blog is a website or webpage that is regularly updated by the author. A blog also allows the reader to post comments or opinion based on what is written. What can a blog be about? A blog can be written about any subject. You could write a blog about school such as information about the subject you are studying. Alternatively, you could write a blog about your favourite team or movie.	What is the difference between the Internet and the World Wide Web? The Internet is a global network of networks while the Web, also referred formally as the World Wide Web (www) is collection of information which is accessed via the Internet. What is the difference between a LAN and a WAN? Both are networks that connect computers together. A LAN (Local Area Network) is normally for computers connected less than 1KM distance, whilst a WAN (Wide Area Network) extends over a large geographical area. Who is Tim BernersLee? Tim Berners-Lee is the inventor of the World Wide Web. The WWW is the system that	What factors do you need to consider when creating a quiz? The intended audience; age and reading ability and interests. The aim of the quiz; is it for fun like a game, or to make sure that the user has learnt something? Question types: • Sequencing • Grouping and Sorting • Text based • Multiple-choice • Labelling A part from the questions, what else does a quiz need to contain? A title screen and instructions for the user. Feedback for the user (some quizzes). Time limits (some quizzes). Images for interest as well as part of the	How would you add a formula so that the cell shows the total of a column of cells? Use the formula wizard advanced total tool or type a formula into the cell by using the '=' symbol, mathematical operators and cell references. What is a computational model and what can be used for? Modelling in Computing means creating or using a simulation (a model) of a real-life situation, on a computer. It represents the data of a situation. For example; budgeting

	series of slightly different positions so that the objects seem to move.		How are the audience involved in a blog? A key feature of blogs is that the audience can leave a comment or opinion about what they have read on the blog.	delivers webpages over the internet.	questions.	for a party. What data would you collect? Quantities, costs, delivery, recipes.
History	Who was Franz Ferdinand? British history that extends chronological knowledge beyond 1066 (World War 1)	Should WW2 have happened? British history that extends chronological knowledge beyond 1066 (World War 2)				How was Britain rebuilt after the WW2? Post war Britain
	WW1 took place between 1914-1918. The assassination of Franz Ferdinand was a trigger for the start of WW1. Tripe Entente Central Powers Trench life The battle of the Somme How & why the war ended. Treaty of Versailles.	The causes of WW2. Evacuation of children Rationing The role of women in the war. Holocaust Impact of WW2 on Britain.				Impact of WW1 & WW2 on our local area. NHS Immigration Buildings Jobs Housing Economy

Geography	Where would you find a rainforest and why? Rainforests Biomes/South America	Could you live in the Lake District? Human and Physical geography of a region of the UK (Trafford & Lake
	Locate the world's countries, using maps to focus on South America, concentrating on their environmental regions. To identify key physical and human characteristics, countries and major cities in South America. To identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/ Greenwich Meridian and time zones (including day and night) in the context of rainforests. To describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle in the context of a tropical climate. To describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle in the context of a tropical climate. To describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle in the context of the layers of a rainforest. To describe and understand key aspects of the layers of a rainforest. To describe and understand key aspects of	District) To construct maps of Davyhulme/Urmston & Elterwater. To locate the Lake District, using maps & Google Earth. To identify & sort the physical & human features of the Lake District. To look at settlements, land use & economic impact in the Lake District. To research employment possibilities in the Lake District.

		natural resources incl minerals and water in rainforest conservation Biomes To be able to identify around the world. To explore what biom major biomes around Exploring how plants environments. To explore ways in wh To investigate the plat diverse countries. To comprehend the opinion interdependent nature	the context of n. (Deforestation) the location of plants les are and identify the world. survive in extreme hich humans use plants. nts found in mega- delicate re of ecosystems. nvironmental problems the Eden project is.		
Technology	<u>Cooking and</u> <u>Nutrition</u> (Afternoon Tea)		<u>Structures</u> (Biomes)	<u>Textiles</u> Combining different fabric shapes Teddy	
	Investigate and evaluate Children investigate, analyse & evaluate a range of sandwiches and cakes that could be suitable for afternoon tea. Look at nutritional values on sandwich wrapping.		Investigate and evaluate Children investigate, analyse & evaluate a range of structures. Focused Tasks- Assembling materials as preparation of making their structure (Biome). Focused task- Planning-	Investigate and evaluate Children investigate, analyse and evaluate a range of existing products which have been produced by combining fabric shapes. Focused tasks- Sewing Develop skills of sewing textiles by joining right side	

		Focused Tasks- Healthy plate. Learn about the different food types and what the nutrition on our plates should look like. Focused Task-Cutting & chopping skills/techniques. Focused Task- Planning to plan afternoon tea. Design, make & evaluate Using their knowledge and skills know how to prepare and cook a variety of sandwiches, biscuits & cakes safely and hygienically.		to plan their structure. (Biome) Design, make and evaluate Children make their biomes.	together and making seams. Focused Task-Planning to plan their teddy. Design, make and evaluate Children make & evaluate their soft toy.	
Art	<u>Drawing</u> Artist: Paul Nash		<u>Collage</u> Artist: Nick Gustafson			Painting Landscapes/City scapes Watercolours Artist: Hazel Soan
	To study the work of Paul Nash.	<u>Children will s</u>	tudy the works of fo To study the work of Nick Gustafson.	amous artists throug	hout the terms	To study the work of Hazel Soan.
	To explore techniques. To use inspiration from Paul Nash's work in their own drawings. Techniques: To use sketch books to		To identify what is meant by collage. To identify a variety of materials that could be used to produce a collage			To look at how watercolours are used in painting and identify how the different from other paint mediums.

	practise techniques. To observe how to shade to create impact. To produce their own interpretation of Flanders Field using drawing techniques. To analyse and evaluate completed piece.		of a animal from the rainforest. To plan a collage taking inspiration from creatures from the rainforest & Nick Gustafson. To analyse and evaluate completed piece.			Techniques: explore and practise how to use water colours. To use their sketch from the Lake District to produce a water colour piece. To analyse and evaluate completed piece.
Music	Whole Class Instrumental and Vocal Project	Whole Class Instrumental and Vocal Project	. Dynamics, pitch and texture (Theme: Fingal's Cave) Appraising the work of Mendelssohn and further developing the skills of improvisation and composition.	Advanced Rhythms Exploring rhythmic patterns in order to build a sense of pulse and using this understanding to create a composition	Theme and Variation: Children explore the musical concept of theme and variations and discover how rhythms can 'translate' onto different instruments.	Performance Y6 Production / Leavers' Song
	Ukele and vocal project with Trafford Music Service	Ukele and vocal project with Trafford Music Service	Classical music is music that has been composed by musicians who are trained in the art of composing. The term 'classical music' can also refer to music composed in the classical period 1750 to 1825 Improvise - Making	Kodaly method - The idea of this method is to teach music by listening, singing, moving and dancing before reading and writing. A bit like learning a language. Rhythm - The pattern of long and short notes in music	Theme and variations is a common musical structure, especially in classical music. The structure features a theme at the start of the piece, then once the theme has been played, the composer repeats it but with some form of variation. The theme is then played again but this	Lyrics – their meaning and how they make you feel Tempo – whether the tempo reflects the mood of the music Melody – whether the melody matches the lyrics and what its effect is

			up music as it is played or performed Conductor - A person who directs the performance of an orchestra or choir, using hand signals.	Crotchet - This is one beat. We clap once. Quaver - This is also one beat, which means that a single Ti is half a beat. We clap twice, double the speed of TA. Crotchet rest -This is a rest for one beat. There is no sound. We open our hands to show these is a beat, but no sound. Minim This is two beats. We clap at the beginning of the note, then slide our hands to show there are two beats	time with a further variation. Phrase - A short musical passage that makes sense on its own. Orchestra - A group of instruments that play together.	on the listener Arrangement – how the style and instrumentation reflects the mood of the lyrics
PE	Cricket	Indoor Athletics	Competitive- Skittleball	Gymnastics – (Group Sequences PP)	Outdoor Activites (Residential)	Athletics (PP)
	 Bowl with consistent accuracy and length Pick up and return a ball with one hand quickly and consistently well 	Explain/show: Landing foot Hurdles Stance Stamina Approach	 Attacking Defending Teamwork Competition Chest pass landing foot, pivot and stepping 	 sequence of rolls formations and pathways change the dynamics within a sequence adapt a floor sequence to 	 The importance of having a plan before I undertake a challenge How to keep a partner safe Where I need to position myself to 	 How to control my running over middle distance How running a bend differs from running a straight How to throw

RE	U2.2 Creation and Science: conflicting or	U2.11 Why do some people believe in	U2.7 Why do Hindus want to be good?	U2.5 What do Christians believe	U2.6 For Christians, what kind of king is	U2.12 How does faith help people
	To develop core strength, stability and resilience	 Hand-eye coordination 3-6-3 formation 1-10-1 formation Speed Stacking 	 A motif demonstrating agility, balance, coordination and precision Change static actions into travelling movements Communicatio n Good timing, execution and performance skills 	 Push passing Indian Dribble Jab tackle Pass and move Attack and defend. 	 To aim low to get an opponent out Not to turn my back on the other team That by moving around I make myself more difficult to hit What my own strengths are and where I can improve Who to target on the opposition and what tactics might be best deployed 	To develop core strength, stability and resilience
	Use my feet to get to the pitch of the ball when batting) Multi-skills Bootcamp	Multi-skills Speed Stacking	Dance (Dance through the ages PP)	make it work on the apparatus Hockey (PP)	give clear instructions and keep my partner safe • How to use a simple map to navigate myself around Dodgeball (PP)	safely as part of a group • To use my non- throwing arm to help me throw • My take off foot and lead leg • How to hurdle efficiently Multi-skills Bootcamp

Assessments sheets: Christmas / Easter	complimentary?	God and some people not? (C/NR) Experience Christmas		Jesus did to 'save' people?	Jesus?	when life gets hard?
	Make sense of belief: • Identify what type of text some Christians say Genesis 1 is, and its purpose • Taking account of the context, suggest what Genesis 1 might mean, and compare their ideas with ways in which Christians interpret it, showing awareness of different interpretations Understand the impact: • Make clear connections between Genesis 1 and Christian belief about God as Creator • Show understanding of why many Christians find science and faith go together Make connections: • Identify key ideas arising from their study	Make sense of belief: • Define the terms 'theist', 'atheist' and 'agnostic' and give examples of statements that reflect these beliefs • Identify and explain what religious and non-religious people believe about God, saying where they get their ideas from • Give examples of reasons why people do or do not believe in God Understand the impact: • Make clear connections between what people believe about God and the impact of this belief on how they live • Give evidence and examples to show	Make sense of belief: • Identify and explain Hindu beliefs, e.g. dharma, karma, samsara, moksha, using technical terms accurately • Give meanings for the story of the man in the well and explain how it relates to Hindu beliefs about samsara, moksha, etc. Understand the impact: • Make clear connections between Hindu beliefs about dharma, karma, samsara and moksha and ways in which Hindus live • Connect the four	Make sense of belief: • Outline the 'big story' of the Bible, explaining how Incarnation and Salvation fit within it • Explain what Christians mean when they say that Jesus' death was a sacrifice Understand the impact: • Make clear connections between the Christian belief in Jesus' death as a sacrifice and how Christians celebrate Holy Communion/Lord's Supper • Show how Christians put their beliefs into practice in different ways	Make sense of belief: • Explain connections between biblical texts and the concept of the kingdom of God • Consider different possible meanings for the biblical texts studied, showing awareness of different interpretations Understand the impact: • Make clear connections between belief in the kingdom of God and how Christians put their beliefs into practice • Show how Christians put their beliefs into practice in different ways Make connections: • Relate the Christian 'kingdom of God' model (i.e. loving others,	Make sense of belief: • Describe at least three examples of ways in which religions guide people in how to respond to good and hard times in life • Identify beliefs about life after death in at least two religious traditions, comparing and explaining similarities and differences Understand the impact: • Make clear connections between what people believe about God and how they respond to challenges in life (e.g. suffering,
	of Genesis 1 and	how Christians	Hindu aims of life	Make connections:	serving the needy) to	bereavement)

	comment on how far these are helpful or inspiring, justifying their responses • Weigh up how far the Genesis 1 creation narrative is in conflict, or is complementary, with a scientific account, giving good reasons for their views.	sometimes disagree about what God is like (e.g. some differences in interpreting Genesis) Make connections: • Reflect on and articulate some ways in which believing in God is valuable in the lives of believers, and ways it can be challenging • Consider and weigh up different views on theism, agnosticism and atheism, expressing insights of their own about why people believe in God or not • Make connections between belief and behaviour in their own lives, in the light of their learning.	and the four stages of life with beliefs about dharma, karma, moksha, etc. • Give evidence and examples to show how Hindus put their beliefs into practice in different ways Make connections: • Make connections between Hindu beliefs studied (e.g. karma and dharma), and explain how and why they are important to Hindus • Reflect on and articulate what impact belief in karma and dharma might have on individuals and the world, recognising different points of view.	Weigh up the value and impact of ideas of sacrifice in their own lives and the world today Articulate their own responses to the idea of sacrifice, recognising different points of view	issues, problems and opportunities in the world today • Articulate their own responses to the idea of the importance of love and service in the world today.	 Give examples of ways in which beliefs about resurrection/ judgement/heaven/ karma/reincarnation make a difference to how someone lives Make connections: Interpret a range of artistic expressions of afterlife, offering and explaining different ways of understanding these Offer a reasoned response to the unit question, with evidence and example, expressing insights of their own.
PSHE	Being Me In My World	Celebrating Difference	Dreams and Goals	Healthy Me	Relationships	Changing Me

	Identifying goals for the year Global citizenship Children's universal rights Feeling welcome and valued Choices, consequences and rewards Group dynamics Democracy, having a voice Anti-social behaviour Role-modelling	Perceptions of normality Understanding disability Power struggles Understanding bullying Inclusion/exclusion Differences as conflict, difference as celebration Empathy	Personal learning goals, in and out of school Success criteria Emotions in success Making a difference in the world Motivation Recognising achievements Compliments	Taking personal responsibility How substances affect the body Exploitation, including 'county lines' and gang culture Emotional and mental health Managing stress	Mental health Identifying mental health worries and sources of support Love and loss Managing feelings Power and control Assertiveness Technology safety Take responsibility with technology use	Self-image Body image Puberty and feelings Reflections about change Physical attraction Respect and consent Boyfriends/girlfriends Sexting Transition
MFL	Spanish	Spanish	Spanish	Spanish	Spanish	Spanish
	Asking the time Giving o'clock Describing simple daily routine Key sounds voy/jue exploration of time phrases inc. extended sentences with conjunctions and opinions	Describing a house and a room Asking "Is there house language. Responding with "Here is? Asking: Have you +rooms Responding positively or negatively Saying what I want to be in the future. Asking politely / sandwich flavours Key sounds mi/vi/ñ Exploration of: verb 'to have' and verb 'to be' adjectival agreement with	Asking how to play a sport Simple explanation of a sports Key sounds ñ/me Exploration of: verb 'to play' in the present tense Opinions. / Likes and dislikes	Asking and answering preferences/ feelings and characteristics Fair ground rides – Opinions, Likes and dislikes Key sounds in funfair rides ch/vur nouns and verbs descriptive sentences using 1 st,2nd and 3rd person regular present tense	Transactional language to order a meal - You can eat + foods Buying snacks and drinks (Instructions to make a snack) consolidation and application of accurate sound, spelling, understanding to practise accurate pronunciation in performance/reading aloud consolidation of prior learning – nouns, adjectives, verbs, questions and answers	Revisiting and consolidation of basic transactional language/basic personal information /expressing simple opinions/using questions and answers consolidation and application of accurate sound spelling consolidation of prior learning – nouns, adjectives, verbs, questions and answers

		nouns				
Other Areas	Book loan box from IWM Loan box for Science from Wellacre Black History Month	Trip to WW2 Tatton Park Book loan box from IWM Working with author and artist Martin Impey Fabulous Finish – World War Workshops Inter-school Skittleball competition	Link Nick Gustafson work with work on autism. Send him messages/ questions Links with church	Biomes – Wellacre	Residential	End of Year performance Link with other faiths (zoom working group?)