Year 5/6/B Long Term Plan	Autumn 1 (Geography)	Autumn 2 (History)	Spring 1 (Science)	Spring 2 (Creative)	Summer 1 (Environmental study)	Summer 2 (History)
	Living on the Edge	Lest we Forget (The Wars)	Inside Out	Light It Up	Endangered	Local History
Memorable	Build a lighthouse with a	Eden Camp (TRIP)	Dissect a heart	Artist Workshops	The Deep (TBID)	Bagshaw Museum (TRIP)
Experience Innovate/Challenge	Carousel of weathering and erosion activities (chemical reactions)	Hold a whole school remembrance day assembly	Cooking healthy dishes/making smoothies (Invite chef)	Paint still life	The Deep (TRIP) Clay fossils	Explore local area (mapping)
English	PoR- Floodland Vipers- The Last Wild Prediction Fluency Questioning	PoR and VIPERS- Goodnight Mr Tom Retrieval Inference Clarifying	PoR- Pig Heart Boy Vipers- Cogheart Summarising Inference Characterisation	PoR- The Midnight Fox VIPERS-poetry and short comprehension texts Practice and review all skills	PoR- Shackleton's Journey Vipers- Shackletons Journey Practice and review all skills	PoR- Vipers- Poetry
Maths Maths Hub	Y6 Number- Place Value Number- Addition, Subtraction, Multiplication and Division	Y6 Number- Addition, Subtraction, Multiplication and Division Number- Fractions Geometry- Position and Direction	Y6 Number- Decimals Number- Percentages Number- Algebra Measurement- Converting Units	Y6 Measurement- Perimeter, Area and Volume Number- Ratio	Y6 Statistics Geometry- Properties of shape	Y6 Consolidation and themed projects
Science	DE-Living things and their Habitats. (Yr6) I can give reasons for classifying plants and animals based on specific characteristics I can describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals	DE- Animals inc Humans-The human life cycle. (Yr5) I can describe the changes as humans develop to old age Pupils should draw a timeline to indicate stages in the growth and development of humans. Pupils could work scientifically by researching the gestation periods of other animals and comparing them with humans; by finding out and recording the	DE-Animals including humans- The heart and health. (Yr6) I can identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood I can describe the ways in which nutrients and water are transported within animals, including humans	DE-Electricity. (Yr6) Building on their work in year 4, pupils should construct simple series circuits, to help them to answer questions about what happens when they try different components, for example, switches, bulbs, buzzers and motors. I can use recognised symbols when representing a simple circuit in a diagram I can compare and give reasons for variations in how components function, including the brightness	DE-Evolution and Inheritance. (Yr6) I can identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution I can recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago I can recognise that living things produce offspring of the same kind, but normally offspring vary	DE-Animals including humans-Blood and transportation. (Yr6) I can identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function I can describe the ways in which nutrients and water are

	Pupils might find out about the significance of the work of scientists such as Carl Linnaeus, a pioneer of classification.	length and mass of a baby as it grows.	I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function	of bulbs, the loudness of buzzers and the on/off position of switches I can associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit Pupils might work scientifically by: systematically identifying the effect of changing one component at a time in a circuit; designing and making a set of traffic lights, a burglar alarm or some other useful circuit.	and are not identical to their parents They should also appreciate that variation in offspring over time can make animals more or less able to survive in particular environments, for example, by exploring how giraffes' necks got longer Pupils might find out about the work of palaeontologists such as Mary Anning and about how Charles Darwin and Alfred Wallace developed their ideas on evolution.	transported within animals, including humans
Art & Design		Art focus-Sculpture Using a variety of media to explore texture and effect Create a 3D Poppy Key artist Georgia O Keeffe Key artwork Red poppy 1927 Sketchbook Record observations (Yr5). Target Tracker Focus: Develop skills in using clay including slabs, coils and slips. NC Key Skills: Experiment with and combine materials and processes to design and make a 3D for. Sculpt clay and other mouldable materials.(Yr.5)		Art focus- Painting A Still life using light effects. Key artist Willem Kalf Key artwork Willem Kalf, Still Life with Drinking Horn, 1653 (Yr6) Sketchbook Record observations (Yr6) Target Tracker Focus: Develop an awareness of composition, scale and proportion in their work Use simple perspective in their work using a single focal point and horizon. Use techniques, colours, tones and effects in an appropriate way to represent things seen - brushstrokes following the direction of the grass, stippling to paint sand, watercolour bleeds to show clouds. NC Key Skills: Explain what their own style is. Use a wide range of techniques in their work. Explain why they have chosen	Art focus – Drawing Botanical pencil drawings using shading and hatching Key artist Elizabeth Blackwell Key artwork Examples of Botanical drawings Sketchbook Record observations (Yr5) Target Tracker Focus: Use line, tone and shading to represent things seen, remembered or imagined in three dimensions. NC Key Skills: Identify and draw simple objects, and use marks and lines to produce texture. Successfully use shading to create mood and feeling? Organise line, tone, shape and colour to represent figures and forms in movement. Can they show reflections. Can they explain why they have chosen specific materials to draw with?(Yr5)	

				specific painting techniques.(Yr.		
				6)		
Computing Dising Store	We are web developers	We are cryptographers	We are architects	We are connected	We are Al developers	We are publishers
Rising Stars	(5.4)	(5.2)	(5.3)	(6.4)	(6.6)	(6.3)
	Pupils will learn how the	Pupils will be investigating	Pupils research examples	Pupils use the school's blogging	Pupils use a variety of	Pupils produce a class
	school network and the	early methods of	of art gallery architecture,	platform to explore issues	websites to learn about	vearbook or school
	Internet work. Will we be	communicating over	before using Trimble	related to social media.	different aspects of artificial	magazine using desktop
	exploring how HTML is	distances. We will learn	SketchUp to create their		intelligence including machine	publishing tools. They
	used to create websites	about two early ciphers,	own virtual gallery. Finally,	In this unit, pupils will learn:	learning. Finally, they program	source, write, edit and
	and we will create our own	and encrypt and decrypt	they use the gallery to	 about appropriate rules or 	a self-driving car and consider	combine images and text
	website about on-line	messages in various	exhibit their own artwork.	guidelines for a civil online	the ethics of AI.	from a range of sources.
	safety.	ciphers.	In this unit, pupils will	discussionhow search results are	In this unit, pupils will learn:	In this unit, pupils will
	In this unit, pupils will	In this unit, pupils will	learn to:	selected and ranked	 how decision trees can be 	learn to:
	learn:	learn to:	 understand the work of 	 how to argue their point 	trained automatically to	 manage or contribute
	• the name and function	• be familiar with	architects, designers and	effectively, supporting their	classify data	to large collaborative
	of components making	semaphore and Morse	engineers working in 3-D	views with sources	 how speech recognition 	projects, facilitated using
	up the school's network	code	 develop familiarity with 	 how to counter someone 	works	online tools
	 how information is 	 understand the need 	a simple CAD tool	else's argument while	 how a neural net 	 write and review
	passed between the	for private information to	 develop spatial 	showing respect and	recognises images	content
	components that make	be encrypted	awareness by exploring	tolerance	• to train a neural net to	 source digital media
	 up the Internet what the source code 	 encrypt and decrypt messages in simple 	and experimenting with a 3-D virtual environment	 how to judge the reliability of an online source 	classify images ● to train a machine learning	while demonstrating safe, respectful and
	for a web page looks like	ciphers	develop greater	 some strategies for dealing 	system to identify	responsible use
	and how it can be edited	 appreciate the need to 	aesthetic awareness.	with online bullying.	sentiments	 design and produce a
	 how a website can be 	use complex passwords			 to consider some ethical 	high-quality print
	structured	and to keep them secure			principles in designing Al	document.
	 how to add content to a 	 have some 			systems.	
	web page.	understanding of how				
		encryption works on the				
		Internet.				
	Computing BoS footion	Computing DoS focus	Computing BoS focus	Computing PoS focus	Computing PoS fearure	Computing BoS former
	Computing PoS focus: Digital Literacy – Online	Computing PoS focus: Computer Science –	Computing PoS focus: Information Technology -	Computing PoS focus: Digital Literacy – Online	Computing PoS focus: Computer Science - Coding	Computing PoS focus: Information Technology -
	Safety	Computer Science – Computational Thinking	Media	Safety	computer science - coung	Media
Design &		- inpatatorial rinking				
Technology	DT focus - <mark>Electrical</mark>		DT focus- Food and			DT Focus- Textiles-Joining
reciniology	systems-circuits and		nutrition.			fabric pieces:
	switches.		Great British Dishes:			Explore the fashion and
	Light up signs to warn		Explore national dishes			textile industry looking at
	people at night of animal		and plan and shop for a			how textiles are used in
	habitats e.g. Hedgehog		meal. (yr6).			the fashion industry.
	homes:		Target Tracker Focus:			Design, cut, stitch and
	Construct a working		Confidently plan a series			decorate a stylish
	circuit with one or more		of healthy meals based on			drawstring bag decorate
	lights, and fit it in a		the principles of a healthy			with applique heart (Yr6).
	J,		and varied diet. Use			Target Tracker Focus:
						Tanget Hutker Focus.

decorative illuminated sign (Yr6). Target Tracker Focus: Apply understanding of computing to program, monitor and control product. NC Key Skills: When designing follow the Design - Make -**Evaluate Process.** Understand and use electrical systems in their products, (for example series circuits incorporating switches, bulbs, buzzers and motors. Use different kinds of circuit in their product. Think of ways in which adding a circuit would improve their product?(Yr6)

information on food labels to inform choices. Research, plan and prepare and cook a savoury dish applying knowledge of ingredients and technical skill. NC Key Skills: When designing follow the Design - Make -**Evaluate Process.** Understand and apply the principles of a healthy and varied diet. Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques. Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. Explain how their product should be stored with reasons. Set out to grow their own products with a view to making a salad, taking account of time required to grow different foods. (Yr6)

Apply knowledge of materials and techniques to refine and rework product to improve its functional properties and aesthetic qualities. Use technical knowledge and accurate skills to problem solve during the making process. NC Key Skills: When designing follow the Design - Make -**Evaluate Process.** Select from and use a wider range of tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately. Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. Use textile and sewing skills as part of a project This could include running stitch, cross stitch, backstitch, appliqué and/or embroidery. Use tools and materials precisely. Justify why they selected specific materials. Justify why the chosen material was the best for the task? Consider the use of the product when selecting materials.(Yr6)

Geography	I can explain how water and	I can locate the world's			I can identify the position and	I can identify human and
	weather can change the	countries, using a map.			significance of latitude,	physical characteristics, and
	landscape.				longitude, Equator, Northern	land use patterns; and
					Hemisphere, Southern	understand how some of
	I understand how coastal				Hemisphere, the Tropics of	these aspects have changed
	features are formed.				Cancer and Capricorn, Arctic	over time.
	I can identify coastal features				and Antarctic Circle, the	Use simple compass
	of the UK.				prime/Greenwich Meridian	directions (North, South, East
	of the ok.				and time zones (including day	and West) and locational and
	I can explain how the make-				· · · ·	directional language [for
	up of the United Kingdom has				and night).	example, near and far; left
	changed over time.					and right], to describe the
	ů,					location of features and
	I can explain how and why					routes on a map
	landscapes change over time.					Geography.
	I can ask and respond to					Use aerial photographs and
	geographical questions, e.g.					plan perspectives to
	Why is it like this? How is it					recognise landmarks and
	changing? What do you think					basic human and physical
	about? What might it be					features; devise a simple
	like ifcontinues?					map; and use and construct
						basic symbols in a key
						Use simple fieldwork and
						observational skills to study the geography of their school
						and it's grounds and the key
						human and physical features
						of its surrounding
						environment.
History		I can place a specific				A depth study linked to
		event on a timeline by				Batley (local area)
		decade.				, ,
						A study over time tracing
		I can say where a period				how Batley has changed
		of history fits on a time				and evolved (this can go
		line.				beyond 1066)
		I can describe a key event				A study of an aspect of
		(WWII) from Britain's past				history of Batley dating
		using a range of evidence				from a period beyond 1066
		from different sources.				that is significant in the
						locality (Oakwell Hall)
		I can summarise the main				
		events of WWII, explaining				
		the order in which key				
		events happened.				
		I can study how WWII				
		affected the local area.				
Music	World Unite	Our Community	Growth	At the Movies	Life Cycles	Moving On

Calling Calesma						
Collins Scheme	I can explore beat and syncopation through a song and body percussion. I can develop co-ordination and rhythm skills I can perform a rhythmic sequence to a piece of music I can develop the idea of pitch shape and relating it to movement I understand pitch through movement and notation I can create rhythm patterns I can arrange different musical sections to build a larger scale performance I can explore rhythm through dance I can combine different rhythms I can explore ways of combining and structuring rhythms through dance	I am learning to sing a song I understand metre through singing and playing instruments I can conduct a metre of four I can conducting metres of two and three I can write lyrics I can extend arrangements of a song. I ca conduct metres of two and three I am learn to sing a song from our musical heritage I can develop accompaniments using ostinato and invented or improvised rhythms I can develop a performance by adding other media I can perform with awareness of audience	I can feel and move to a three-beat pulse and revising rhythmic ostinato I can perform and improvising rhythmic and melodic ostinato I can sing in harmony I am learning about chords I can perform music and dance I can revise, rehearse and develop music for performance I understand the process of a musical performance	l understand music narrative l can interpret notation l can use a storyboard to structure sounds l am learning about the use of sound effects in movies l am exploring and using narrative structure l can compose sound effects to perform with a movie l can identify changes in tempo and their effects l can explore and understand phrase structure of a song melody l can create and perform a sequence of phrases with a movie l am learning about the use of musical clichés in movie soundtracks l can use the effects of music on movies l can use the musical dimensions to create and perform music for a movie l am learning about techniques used in movie soundtracks l can explore techniques used in movie soundtracks l can explore techniques used in movie soundtracks l can explore to create and perform music for a movie l am learning about techniques used in movie soundtracks l can explore techniques used in movie soundtracks l can explore tochniques used in movie soundtracks l can explore techniques used in movie soundtracks l can explore techniques used in movie soundtracks	I can read a melody in staff notation I can accompany a song with tuned and untuned instruments I can compose and perform together I can sing in two parts I can combine vocal sounds in performance I can create a performance using voices and instruments in four parts I can explore and extend vocal techniques I can develop a structure to combine sounds I can create musical effects using contrasting pitch I am learning about the music of early opera; I can create descriptive music I can develop a performance with awareness of audience	I can sing a song with expression and sustained notes I can sing in two-part harmony I can sing a song with expression and sustained notes I can perform complex song rhythms confidently I can identifying the structure of a piece of music I am learning to play a melody with chordal accompaniment I am experiencing the effect of harmony changing I can sing in two- or three- part harmony I can play instrumental parts to accompany a song I can perform a song with a complex structure •I can listen to and understanding modulation in a musical bridge I can prepare for a performance
PE Spiral	 #1 Power – I can improve my determination, power and physicality. #2 Peer mentoring – I can improve my leadership skills. #3 Dribbling – I can improve the effectiveness of dribbling in competitive situations. #4 Tactical variation – I can improve my understanding of how to lead a team and dictate tactics. 	 #1 Understanding rules – I can improve my leadership skills. #2 Shooting – I can improve my combination of skills to capitalise on opportunities to shoot early. #3 Control – I can improve understanding of when and why to choose a certain shot. #4 Passing – I can improve my understanding of pass selection. 	 #1 Physical processing – I can improve decision making and opportunity taking. #2 Strength – I can improve my ability to be still in a position with tension in my body. #3 Team work – I can improve my leadership skills. #4 Physical processing – I can improve my ability to perform a sequence of 	 #1 Power – I can improve my transferable power. #2 Speed – I can learn about transferable speed. #3 Fielding and catching – I can improve my fielding skills to perform a run out. #4 Striking – I can improve my shot selection to win a game. #5 Assessment lesson. #6 Dribbling – I can improve my ability to demonstrate good dribbling techniques across a range of invasion games. 	 #1 Fielding and catching – I can improve my catching technique and manipulation of the ball. #2 Anticipation – I can improve my ability to judge space and distance – improving my anticipation. #3 Speed – Improve my ability to perform complex coordination at speed. #4 Strength – I can improve my explosive strength. 	 #1 Assessment lesson. #2 Agility –I can improve my performance of tactical agility. #3 Evaluation – I can improve my ability to improve my own performance. #4 Striking – I can demonstrate that I have transferrable striking skills. #5 Control – I can improve my ability to use control a football into the next position.

my us techn situati #6 Te impro with te and e #7 Ag range decei	impro iniques in competitive tions. #6 Sh eam work – I can ove my ability to work in terr	ict opponents play. hooting – I can ove decision making rms of shot choice. ssessment lesson.	dance movements to music. #5 Evaluation – I can improve my creativity and leadership skills. #6 Accuracy – I can improve accuracy by increasing range of shot. #7 Tactical variation – I can improve my application of positions and tactics.		#5 Accuracy – I can improve my understanding of and manipulation of a javelin.	#6 Peer mentoring – I can improve my team working skills to solve problems. #7 Understanding rules – I can improve my ability to work as a team member to establish and enforce competition rules.
Jigsaw Year a I can positive set per l under respo Citize of my I can my ov I unde and c I unde I unde and c I unde I u	5 Year 1 face new challenges ively and know how to bersonal goals I under different causes lerstand my rights and onsibilities as a British en and as a member y school I under is I wide I under causes make choices about win behaviour because lerstand how rewards consequences feel I can different and in idual's behaviour can ict on a group lerstand how an idual's behaviour can ict on a group I can peopl world lerstand how ocracy and having a benefits the school munity and know how urticipate in this I can peopl world 6 Year i identify my goals for year, understand my es and worries about the e and know how to ess them Year	 5 derstand that cultural rences sometimes e conflict derstand what racism derstand how rumour eading and name- ng can be bullying aviours n explain the rences between direct indirect bullying n compare my life with ble in the developing n enjoy the experience culture other than my 6 derstand there are rent perceptions about correct means 	Vear 5I understand that I will need money to help me achieve some dreamsI know a range of jobs and what people earn in different jobsI can describe the dreams and goals of young people in a culture different to mineI appreciate the similarities and differences between myself and young people in different culturesI understand why I am motivated to make a positive contribution to supporting othersYear 6 I know my learning strengths and can set realistic goals for myselfI can set a success criteria and know when I have reached my goal	Healthy me Year 5 I know the health risks of smoking and can tell you how tobacco affects the lungs, liver and heart I know some of the risks with misusing alcohol, including anti- social behaviour, and how it affects the liver and heart I know I can put into practice basic emergency aid procedures (including recovery position) and know how to get help in emergency situations I understand how the media and celebrity culture promotes certain body types I can describe the different roles food can play in people's lives and can explain how people can develop eating problems (disorders) relating to body image pressures I know what makes a healthy lifestyle including healthy eating and the choices I need to make to be healthy and happy Year 6 I know the impact of food on the body, e.g. creating energy, giving comfort and altering mood	Relationships Year 5 I have an accurate picture of who I am as a person in terms of my characteristics and personal qualities I can recognise how friendships change, know how to make new friends and how to manage when I fall out with my friends. I understand how it feels to be attracted to someone and what having a boyfriend/girlfriend might mean I understand how to stay safe when using technology to communicate with my friends. I can explain how to stay safe when using technology to communicate with my friends Year 6 I can identify the most significant people to be in my life so far I know some of the feelings we can have when someone dies or leaves I understand that there are different stages of grief and	Changing me Year 5 I am aware of my own self- image and how my body image fits into that I can explain how a girl's body changes during puberty and understand the importance of looking after yourself physically and emotionally I can describe how boys' and girls' change during puberty I understand that sexual intercourse can lead to conception and that is how babies are usually made I also understand that sometimes people need IVF to help them have a baby I can identify what I am looking forward to about becoming a teenager and understand this brings growing responsibilities (age of consent) I can identify what I am looking forward to when I am in Y6 Year 6 I can ask the guestions I
		eone's life		mood	that there are different types of	need answered about changes during puberty

	children but for many children these rights are not met I understand that my actions affect other people local and globally I can make choices about my own behaviour because I understand how rewards and consequences feel and I understand how these relate to my rights and responsibilities	I can explain some ways in which one person or a group can have power over another I know some of the reasons why people use bullying behaviours I can give examples of people with disabilities who lead amazing lives I can explain ways in which difference can be a source of conflict or celebration	I can identify problems in the world and talk to others about them I can work with other to help make the world a better place I can describe some ways in which I can work with others to make a difference I can give praise and compliments to myself and others when I recognise our achievements/contributions	I know about different types of drugs and their uses and their effects on the body particularly the liver and heart I can evaluate when alcohol is being used responsibly, anti- socially or being misused I know and can put into practice basic emergency aid procedures (eg. The recovery position) and know how to get help in emergency situations I understand what it means to be emotionally well and can explore people's attitudes towards mental health/illness I can recognise when I feel stressed and the triggers that cause this and I understand how stress can cause alcohol misuse.	losses that cause people to grieve I can recognise when people are trying to gain power or control I understand how technology can be used to gain power or control and I can use strategies to prevent this from happening I can use technology positively and safely to communicate with my friends and family	I can describe how a baby develops from conception through the nine months of pregnancy and how it is born I understand how being physically attracted to someone changes the nature of relationships I can identify what I am looking forward to and what worries me about the transition to secondary school
RE	Y5 Why are some places and journeys special. Y6 How do Sikhs show commitment?	Y5 What values are shown in codes for living? Y6 What do Christians believe about death?	Y5 Should we forgive others? Y6 Growing up and rites of passage.	Y5 What do Christians believe a bout old and new covenants? Y6 How do Jews remember Kings and Prohets?		