



Topic and Science Overview 2019-2020

Year 1	90 year celebration 4 th -6 th Sept	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Environment Week 1 st -5 th June	Summer 2
Learning Challenge	My School and Me 90 years old celebrations Use photos Choose an aspect to look at how it has changed. How is it the same? How is it different?	Where I live	What has changed and stayed the same in Sulgrave?	What is weather like?		Who was famous in the past and why?	What happens to our rubbish? How can we help our planet? World Environment Day	Why are play stations more fun than toys from the past?
History			Local History What has changed and stayed the same in Sulgrave? Why? Significant historical event in their own locality: Remembrance Day - War Memorial in Sulgrave. What does it tell us about local men and families? CWGC website to research about the life that each soldier lived.			Significant people to me. Significant people from history- Princess Diana & Rosa Parks/ Mary Seacole? What did they do? What is the same/different? What do we know about aspects of life in their period? Diana: how were her actions different from early life to later?		Changes within living memory: When great grandparents were young – toys
Geography		Address Map work, aerial photos. my opinions of the local area: What do I like/ what would I like to change?	Look at the key human features – how have they changed? Name few towns in North UK	Weather in Washington Weather in hot and cold places. Features of places in hot and cold places: Antarctica and Spain How is their life different because of where they live? Clothing				



Science	Litter pick							
	Autumn seasonal change Adopt a tree Welly walk Classification on leaf colour Seasonal collage wheel Animals including humans Sunderland Training and Education Farm Local vet visit Animal x-ray investigation		Winter seasonal change Adopt a tree Evergreen deciduous trees Weather (colder/snow) Seasonal collage wheel Materials Materials which float		Spring seasonal change Adopt a tree Journey strip (p64) Seasonal collage wheel		Plants (see Forest School) Summer seasonal change Adopt a tree Sunshine and temperature investigation using UV beads. Seasonal collage wheel	
PE	Games			Dance		Athletics		
RE	Christianity: What can we learn about Christianity from visiting a church? Christmas: Why are gifts given at Christmas?			General enquiry: Who are special religious people? Easter: What is the Easter story?		Buddhism – How is Buddha special to Buddhists?		
Music	Round and Round- Percussion					Your Imagination- Glockenspiels LINK TO TOPIC (Traditional Local Songs) <ul style="list-style-type: none"> - Lambton worm - Blaydon Races - Water of Tyne - Dance to thy Daddy 		
DT	Mechanisms- Which part of the picture moves?			Textiles- Spring Meadows		Mechanisms- Design & construct a toy		
Art	All about me Who is hiding in your Jungle?			Seasonal Landscapes		Can we make art from rubbish?		
ICT	What scientific skills do I have? (linked with Science focus in the first week) – Desktop Publishing. Exploring how we treat people online and thinking before we act. How can we use ICT to communicate? Giving instructions to a programmable toy. Exploring different ways to give instructions using ICT.			Using ICT to store and present data. Using brushes and stamps to create a scene. What should and shouldn't we share in the real and virtual world? – Multimedia photo story.		Control Technology – Exploring how ICT and control is used in the toys that we have. Considering what is personal information and what we should share online (multimedia photostory)		
PSHCE	Friends Resilience- Meditation and relaxation/ Healthy eating/ Exercise/ Being grateful & Being brave							
Year 2	90 year celebration 4th-6th Sept	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Environment Week 1st-5th June	Summer 2
Learning Challenge	Our School: How has the school changed	Significant person- Joseph Swan/ Rebel Women from the local area	Comparison between small area of UK and non- European country	Great Fire of London and Newcastle <i>Who really started The Great Fire of London?</i>		Neil Armstrong/female astronaut	World Environment Day Plastic Pollution How do people	1950's <i>What was it like when the queen came to the throne in 1953?</i>



	since its opening?		<i>How does Seaham compare to Turkey?</i>		<i>Why was Neil Armstrong a brave person? / Who was bravest?</i>	Spoil / better an area? World	
History		Joseph Swan/Rebel women Trip – Cragside Fact-file, what would you ask Joseph Swan?		Significant historical events- people and places in their own locality- Great Fire of London & Newcastle Drama, sequencing events, diary entry (Samuel Pepys) Visitor – That History Bloke Forest School – fire pit Compare with female black astronauts	Significant people from Britain or abroad - Neil Armstrong Surprise rucksack, newspapers, NASA spacesuits old/new, tasting space food, space videos (Chris' Kitchen...etc),.		Changes and events beyond living memory that are significant nationally or globally- Look at the monarchy now. 1950's- What was it like when the queen came to the throne? Compare with today Lindy-hop dancing, 1950s tea-party, Trip - Beamish – 1950s town
Geography			Look at a small area of the UK and of a small area in a contrasting non-European country- Seaham/Turkey Identify seasonal and daily weather patterns in the United Kingdom Mountain ranges, continents and	Capital cities in the United Kingdom			



			oceans, map work, coordinates, compare localities, <i>Physical/human features</i> <i>Climate</i>			
Science		Materials & testing materials Waterproof materials-wellies (Charles Macintosh)	Habitats and living things Forest school- microhabitats & bird feeders	Animals including humans- Healthy Eating Healthy eating plate, glitter germs, bread germs. Trip- Lintz Hall Farm	Plants Growing- sunflowers, broad beans in zip lock bags, plant smash, plant hunt, daisy data collection.	
RE	Christianity: Why is the bible special to Christians? Christmas: Why is light important at Christmas?		General enquiry: What does it mean to belong to a religion? (ceremonies of commitment: weddings, christenings, etc.) Easter: How do Christians celebrate Easter?		Hinduism – How do Hindus worship?	
PE	Games		Dance		Athletics	
Music	Hands Feet Heart -Percussion -Glockenspiels				Friendship Song -Percussion -Glockenspiels Big Sing	
DT	Structures- Make a waterproof boat (STEM Unit)		Computer aided design- How does your software speak Textiles- Under the sea		Food Technology- Design and make a healthy fruit salad	
Art	Exploring art form other cultures- Africa		Under the Sea		Inspired by the natural world	
ICT	What scientific skills do I have? (linked with Science focus in the first week) – Desktop Publishing. How can we use ICT to communicate? Who can we tell if something bad happens online? Can you create a unique firework display using algorithms?		Creating a multimedia presentation. Using ICT to organise and sort data. What is a simulation and why are they used? What tips would you follow to stay safe online (multimedia slide).		Can you create an original new flower? – Using brushes and stamps. What is a Branching Database and how does it work? Can you program and control an avatar using directional language and repeats?	



	Why are clear instructions important in Algorithms?					Application of food groups to create a healthy balanced plate (image manipulation & desktop publishing).		
PSHCE	Friends Resilience- Meditation and relaxation/ Healthy eating/ Exercise/ Feelings- our own and those of others							
Year 3	90 year celebration 4th-6th Sept	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Environment Week 1st-5th June	Summer 2
Learning Challenge	Our School: Why did Usworth need a new school?	Beamish & Mining Could you survive as a miner?	How did engineering change from the Stone Age to the Iron Age?	Ancient Egypt Ancient civilisation How can we re-discover the wonder of Ancient Egypt?		Volcanoes What makes the earth angry?	World Environment Day: How big is your carbon footprint?	Volcanoes What makes the earth angry?
History	Local History - A study of Local History taking account of a period of history that shaped the locality.- Mining Children down the mines, children's strike? Wagonways/railways to support the coal How the area changed: population/housing Mining in Usworth and the North East Trip to Beamish: Miner's house, down the pit <small>• https://maps.nls.uk/geo/explore/side-by-side/#zoom=15&lat=54.9173&lon=-1.5245&layers=168&right=193</small>	Stone Age to the Iron Age, including: Hunter gatherers, Early farming, Bronze Age, and Iron Age Early settlers > civilisation Major advances in technology Would you like to be a hunter-gatherer or a farmer?	Ancient Egypt: What do we know about Tutankhamun? Who built the pyramids of Ancient Egypt? Contrast lives of poor and monarchy What did the Ancient Egyptians do for us?					
Geography		Map work Key features locality using a map Changes over time – human geography				The power of the Earth Earthquakes and Tsunamis - The power of the Earth Volcanoes		
Science		Animals including humans	Rocks	Forces and magnets		Light		Plants
PE	Games		Health & Exercise	Dance	Gymnastics	Athletics	Games	



RE	Christianity: What do Christians believe about Jesus? Christmas: Why is Advent important to Christians?		General enquiry: Why do religious people travel to sacred places? Easter: What do Christians remember on Palm Sunday?		Judaism – How do Jews us ceremonies and ritual to worship and express belonging?			
Music	Glockenspiel 1		Three Little Birds -Recorders		Let Your Spirit Fly -Glockenspiels			
DT	Mechanisms- Wheels and pulleys linked to mining		Textiles- Egyptian fashion		Structures and Mouldable Materials- Volcanoes			
Art	Inspired by the natural world. Contemporary artists and great artists from the past.		Art from other times and cultures. Egypt		Landscapes 3D volcanoes			
ICT	Creating of a multimedia presentation (topic: Mining) Can you build a shelter using the best materials? (Rocks and Soils – Virtual Experiment) Staying SMART Online (sharing tips and creation of an avatar) How can we use Branching Databases to store information and answer questions?		Why should we use ICT when storing, sorting and presenting data? Creating a Car Model in Sketch up (Linked to Nissan Visit) What does a city need to include? What is E-Communication and how do we use it? Sharing tips to stay safe online (using effects for emphasis in PowerPoint).		What is a variable and how do they make a difference to simulations? Using ICT to design a 3D model of a volcano. How Do Plants Grow? - Animation Can you create 2D shapes without having to draw them? (Logo Programming)			
French	Salut! Core Unit 1 Lesson 1, 2 and 3		Salut! Core Unit 1 Lesson 4, 5 and 6		Salut! Core Unit 2 Lesson 1, 2 and 3			
PSHCE	Friends Resilience- Meditation and relaxation/ Healthy eating/ Exercise/ Changing red thoughts to green thoughts							
Year 4	90 year celebration 4th-6th Sept	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Environment Week 1st-5th June	Summer 2
Learning Challenge	Our school - what was school like 90 years ago? Look at various sources of evidence.	UK city study Why is Newcastle such a cool place to live?	Why are the Tyne and Wear rivers so important to us? Why is our area called Tyne and Wear?	Roman Empire Why were the Romans so powerful and what did we learn from them?		Europe study: Italy	Deforestation	Study of a theme or aspect of British History that extends children's chronological knowledge beyond 1066 Britain's influence on the wider world Victorians
History				The Roman Empire and its impact on Britain. Invasion and Revolt				Victorians Could consider: Trade and industry Colonies and Empire



				<p>What effect did the invasions have? How did the invasions change the way people lived and traded? Cultural development? How did the invasions change the landscape? Local: Hadrian's Wall, Arbeia, Housesteads, Vindolanda</p> <p>Julius Caesar, Hadrian's Wall, Boudica</p>			<p>Travel and communications - railways, shipping and the penny post Inventions Art and artists photographs and film</p>
Geography		<p>UK City Study - Use maps, atlases, globes and digital/ computer mapping to locate countries and describe features studied- Newcastle or Sunderland Features cities / villages</p>	<p>Why are the Tyne and Wear rivers so important to us? Why is our area called Tyne and Wear? Why is the River Wear so important to Sunderland?</p>		<p>European Country - holiday destination & famous cities- Italy Know countries make up European union</p>		
Science		<p>Habitats and living things Creating a classification key using liquorice allsorts Plastic pollution-effects on the environment</p>	<p>Materials-changing states of matter Making rice crispy cakes Making a water cycle</p>	<p>Animals including humans Creating a model of the digestive system/ teeth Egg experiment about effects of different liquids on enamel</p>	<p>Electricity What would life be like without electricity? Investigating conductors and insulators Making scribble bots</p>		<p>Sound Why can't you hear a mouse on the other side of the world but you might be able to hear an elephant.</p>
PE	Games		Health & Exercise	Dance	Gymnastics	Athletics	Games
RE	<p>Christianity: What do Christians believe about God? Christmas: Why do Christians call Jesus the light of the world?</p>			<p>General enquiry: How do religious people show care for each other? Easter: Why is Lent important to Christians?</p>		<p>Sikhism – What do Sikhs believe and how do they express their beliefs? (Gurdwara, belonging, community)</p>	
Music	Glockenspiel 2			Mamma Mia - Recorders		Lean On Me - Glockenspiels - Recorders	



DT	Structures- Design a bridge			Computer Aided Design- Mosaic		Food Technology- Design and make a pizza		
Art	Cityscapes, local architecture			Mosaics		Art from other cultures. North America Dream catchers and totem poles		
ICT	What is cyber-bullying and what should you do if it happens? (including exploration of validity of sources). Can you locate the most dangerous animal in the World? (Data handling) Can you find landmarks using coordinates? Can you trace a route using Google maps? Contributing to a class blog to communicate with others.			What did the Romans think of Britain? (Postcards from Hadrian's Wall – Word Processing and Image manipulation) Designing virtual mosaics – CAD. How do computers understand instructions? What is the difference between physical and virtual? Using inputs and outputs to program a simulation.		Sound Waves and Sensors Researching and designing packaging for a Pizza (including nutritional values and food groups – also linked with Data Handling). Creation of a virtual circuit.		
French	Salut! Core Unit 2 Lesson 4, 5 and 6			Salut! Core Unit 3 Lesson 1, 2 and 3		Salut! Core Unit 3 Lesson 4, 5 and 6		
PSHCE	Friends Resilience- Meditation and relaxation/ Healthy eating/ Exercise/ Changing red thoughts to green thoughts & Role Models and support teams							
Year 5	90 year celebration 4th-6th Sept	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Environment Week 1st-5th June	Summer 2
Learning Challenge	School – was our school	Were the Anglo-Saxons really smashing?	Rivers & Trade	Ancient Greeks What was the legacy of the Greeks?		VE Day	Environment: Palm oil Why are animals endangered?	Mountain Study
History	typical of the time or was it unique?	Anglo Saxons Settlements and kingdoms, Art and Culture Christianity conversion Economy: Trade – early times and late Who was the first king of England? Why isn't England part of the Roman Empire today? Who wrote history books in AS times? Who was buried in Sutton Hoo? Bede's World	Amazon – River: Rivers Trade Water cycle Raw materials Fair trade	How similar was life in Ancient Greece to today? What have the Ancient Greeks done for us? How did Ancient Greek ideas and culture influence the Romans? What was their impact on British people? Impact: Could consider democracy, alphabet, Olympics, library, science, maths, architecture, mythology, medicine, trial by jury, theatre.		VE Day - 8th May An aspect of British History which extends pupil's chronological knowledge beyond 1066: WW2:– If Britain was only a few days away from defeat in August 1940 how did she win the Battle of Britain a month later?		



					VE Day Make judgements about significance of events		
Geography			<p>Amazon – River: Rivers Trade links Water cycle Raw materials Water as a natural resource Fair trade Consider time to another place in the world Plan journey to another part of the world Explain why water valuable commodity Why are people attracted live by rivers? Name and locate world's major rivers on maps</p>				<p>Mountains and hills: Lake District Map land use Name and locate mountain regions on maps</p>
Science		<p>Earth and Space What can we learn about the surface of the moon? Does every planet take the same time to orbit the sun?</p>	<p>Materials Which materials in my kitchen cupboard dissolve?</p>	<p>Forces and magnets Which is the best zip wire? How does the surface area of a parachute affect the time it takes to fall to the ground?</p>	<p>Animals including humans- life cycles When will I grow up? How will I look when I am old?</p>		<p>Living things ad habitats Can I use seeds from a plant to grow a new plant?</p>
PE	Games		Health & Exercise	Gymnastics	Athletics	Games	



RE	Christianity: What can we learn about Christian faith through studying the lives of the Northern Saints? Christmas: What are the themes of Christmas?		General enquiry: How do religions teach about the environment? Easter: Why is the Last Supper important to Christians?		Islam- What do Muslims believe about God and how are these beliefs expressed?			
Music	Make You Feel My Love - Glockenspiels - Recorder		Livin' on a Prayer		Fresh Prince of Bel Air - Glockenspiels - Recorders			
DT	Textiles- Cross stitch product		Mouldable materials- Design and make a fridge magnet Computer Aided Design- Design a play park		Food Technology- VE Day celebratory foods			
Art	Art from other cultures. Japan		Great artist from the past. Mondrian		Me, Myself and I			
ICT	How do sensors effect how we control things? – Lego Robots What is a spreadsheet model and why is it useful? – Calculating weights on different planets. Creation of images manipulated photographs showing the school being attacked by aliens (Photo Manipulation). Creation of a quiz using Scratch programming (including copyright/validity of sources) – Anglo-Saxons. What scientific skills do I have? (linked with Science focus in the first week) – Desktop Publishing. Creating a fireworks display in Logo. Can you program the Christmas decorations to flash? (Inputs, Outputs & Processes)		How does a search engine work? What is E-Communication and how do we use it? (Linked to IM) Can we trust everything we find on the internet? – Validity of sources. Creating our own play park to appeal to all children across our school – CAD.		What is cyber-bullying? What should you do if it happens to you? What are the consequences of taking part in it? (Comic) What have the bees ever done for us? (Multimedia Presentation) What are the key parts of our computer network and why is a server important?			
French	Salut! Topic: On Holiday Lesson 1, 2 and 4		Salut! Topic: Eating Out Lesson 1, 4 and 5		Salut! Topic: Family Lesson 1, 2 and 5			
PSHCE	Friends Resilience- Meditation and relaxation/ Healthy eating/ Exercise/ Role Models and support teams							
Year 6	90 year celebration 4th-6th Sept	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Environment Week 1st-5th June	Summer 2
Learning Challenge	Our School Using primary sources to identify what school was like 90 years ago.	Boundless biomes	Ancient Civilizations- Maya	Vikings Were the Vikings always victorious and vicious?		Maps Mapping skills and fieldwork Maps I'm a Year 6 pupil, can you get me out of here? Mapping skills and fieldwork	World Environment Day Natural resources Fossil fuels Burning fuels Global warming	Coastal study



History			<p>A non-European society - Ancient Civilizations- The Maya</p> <p>Who were the Mayans and what have we learnt from them?</p>	<p>The Vikings and Anglo-Saxon struggles, including: Viking raids and invasion, Alfred the Great, Viking invasions and Danegeld, Anglo-Saxons law and justice and Edward the Confessor</p> <p>What is the Anglo Saxon Chronicle? Is it unbiased?</p>		renewable energy	
Geography		<p>North and South America- biomes and vegetation belts</p> <p>The importance of raw materials such as water</p> <p>Plan journey which takes into account time zones</p> <p>Physical features places around the world</p> <p>Analyse population data on two settlements.</p>	<p>A non-European society - Mayan Civilization</p> <p>Society – Settlements. Who was significant? Trade, discovery and religion. How was Britain influenced by the Mayans?</p>	<p>The Vikings and Anglo-Saxon struggles. Could include: Viking raids and invasion, Alfred the Great, Viking invasions and Danegeld, Anglo-Saxons law and justice and Edward the Confessor</p> <p>Where are English people from? What is the Anglo Saxon Chronicle? Is it unbiased?</p>	<p>Visit to Gibside</p> <p>Geo-caching and orienteering.</p> <p>Drop the children somewhere and see if they can get back based on their ability to follow maps</p> <p>Compare physical and human features of Washington to Winster to places around the world</p> <p>OS Maps</p> <p>Aerial photos</p>		<p>Coastal study (not Seaham)</p> <p>Physical features</p>
Science		Living things and habitats- classification	Light	Animals including Humans- Circulatory System	Evolution and Inheritance		Electricity
PE	Games		Health & Exercise	Gymnastics	Athletics	Games	
RE	Christianity: What do the gospels tell us about the birth of Jesus?			Christianity: Why are Good Friday and Easter and Easter Day the most important days for Christians?	Compulsory Bridging Unit- So what do we now know about Christianity?		
Music	You've Got a Friend - Glockenspiels			Happy - Glockenspiels	Don't Stop Believing (Freestyle Unit)		



	- Recorder			- Recorder				
DT	Construction & Structures- Build a Ziggurat			Structures & Materials- Design and build a Viking Ship Computer Aided Design- Build a Minecraft clubhouse			Electrical & Mechanical components- Design and build a working lighthouse	
Art	Insects and Bugs Art from other cultures. Mexico			Op art positive and negative space.			Exploring memories, emotions and feelings through art	
ICT	<p>What scientific skills do I have? (linked with Science focus in the first week) – Desktop Publishing. How does a search engine work? (Revisited from Y5) Can you use layered editing to produce a fireworks display? What is E-Communication and how do we use it? (Twitter Focus) What is binary code and how does it affect the technology that we choose to use? What should we do if we find something worrying online? (Photo Editing).</p>			<p>The Journey of a red blood cells around the heart. Who was Ran and why was she important to the Vikings? – Comic How do X and Y coordinates effect computer programming? (Viking Longship Game in Greenfoot). Creating a digital clubhouse that will appeal to Y6 – CAD.</p>			<p>Creating electrical circuits and structures to build and program an effective lighthouse. What threats do we face when using ICT and how can we combat them? Why do people lie in cyber-space? Exploration of how we and others behave online and why. Creating a spreadsheet model to calculate your profit from the Summer Fair.</p>	
French	Salut! Topic: Seasons Lesson 1, 2 and 3			Salut! Topic: A School Trip Lesson 1, 2 and 3			Salut! Topic: Jobs Lesson 1, 2 and 3	
PSHCE	Friends Resilience- Meditation and relaxation/ Healthy eating/ Exercise/ Coping step plans							
Thrive	90 year celebration 4 th -6 th Sept	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Environment Week 1 st -5 th June	Summer 2
Learning Challenge		All about me	Festivals & Cultures	Animals	The UK	Plants		Changes, Moving on
History		Family Tree			A day in the life of... Local history-mining & ship building			
Geography		Where I live- Google Earth	Where in the world		Cities			
Science		Changes over time- How I've grown My brain	Seasonal change	Living things and habitats	Seasonal change	Senses		
PSHCE		Self-regulation Emotion of self Likes & dislikes	Social/ Emotional	Participation & resilience Problem solving	Problem Solving Resilience Co-operation	Independence Self-regulation		Changes Goal setting Aspirations



	Listening program Brain development Goal setting- aspirations	Emotions of others Friendship/ sharing Turn taking Self regulation					Independence	
PE								
RE	Diwali	Christmas						
Music	Rap		Jungle dance Rain dance	The National Anthem	Percussion- weather sounds		-	
Forest School	Team work/ co-operations	Seasonal change			Observational changes		-	
DT			Design a habitat	Build famous landmarks	Design a garden			
Art	Self portraits	Rangoli patterns	Sketching		Observational drawings			
The Base	90 year celebration 4th-6th Sept	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Environment Week 1st-5th June	Summer 2
Learning Challenge		All about me – what am I good at? What are my goals for the year?	Christmas	Minibeasts and habitats	Lets go on safari	Stone Age to Iron Age		Lighthouses
History			Christmas in the past			Hunter gatherers, Early farming, Bronze Age, and Iron Age		Lighthouses past and present
Geography			Which countries will Santa visit? Which route will he take?	Where are different habitats found?	Where are we in the world, our country, our local area? Contrasting a small area in the UK with one of a non EU country			Why are lighthouses at the beach?
Science				Seasonal Change – how does the weather change from season to season.				
PSHCE		Friends Resilience- Meditation and relaxation/ Healthy eating/ Exercise/ Changing red thoughts to green thoughts/basic manners/anger management/relationships						



PE	Athletics	Gymnastics	Invasion games		Striking and fielding games	
RE		Why do Christians celebrate Christmas? The Christmas story.		The story of Buddha		
Music	Charanga – Me! Nursery Rhymes/tongue twisters – perform with others	Christmas Carols		Charanga – Zoo time		-
Forest School		Make Christmas decorations using natural materials.	Minibeasts and habitats in our forest school. Bug tasting		Hot stone cooking, lighting fires, making own tools, building shelters from natural materials.	-
DT	Make a book about yourself	Christmas ornaments		Make your own map		Design a sandwich; The lighthouse Keeper