Year 2 Topic and Science Overview September 2021

		Year 2					
		Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
History		**How did a baker burn down an entire city?** **Great Fire of London and Great Fire of Newcastle and Gateshead** Significant historical events- people and places in their own locality- Great Fire of London & Fire Newcastle and Gateshead **Achievements** London rebuilt and introduction of fire safety and fire brigade **Housing and architecture:** Before the fire building materials Rebuilding of London change in building materials after fire	**Significant event: Remembrance Day** **Society** (local people sacrificing themselves for their country) **Entertainment -** wartime songs **Weapons and warfare-** battlefield, guns, trenches	**James Cook: Did a Cook really discover Australia?** Significant individuals in the past who have contributed to national and international achievements – James Cook **Achievements (scientific and cultural)** Cartography Discovery of East Coast Australia, Newfoundland New Zealand coastlines Crossing the Antarctic circle and travelling to places unknown **Society (politics and class)** The growth of the Empire, Life in the Royal Navy, Royal Society **Weapons and warfare.** The ships of the 1700's. The British Navy and its importance in this era.		*Who is our queen? Have there ever been any others?* Study of an aspect of British history that extends knowledge beyond 1066 – focus on the changing role and power of monarchy over time, looking at some key monarchs and their significance. Start sequence with current queen then go back to William 1 and, in chronological order spend two lessons per monarch (William I, Richard I, Mary I(or Henry VIII), Charles I, Victoria). First lesson, look at when in history they reigned, what power they had and what life was like back then. Second lesson, look at a significant aspect/event in their reign. All the way through, keep comparing back to previous monarchs studied and current queen. Final lessons will sum up how the role of monarch has changed over time. **Achievements (scientific and cultural)** Developments in Victoria's reign **Housing and architecture** – castles and royal residences, houses of parliament. **Society (politics and class)** How was country ruled in different eras, changing role of monarch. **Beliefs** Catholic/protestant problems. Puritans and interregnum. **Weapons and warfare** Crusades, knights, castle fortifications, Hastings.	

	Weapons and warfare Gunpowder used to stop the fire				
Geography	**Do I live in the United Kingdom or England?** • **Land use/ settlement** Countries make up UK Cities and landmarks. What is the land used for. Human and physical features. • **Weather and climate** Is the weather the same all across the UK? • **Lifestyle and Culture** How is life different in the UK capitals – different buildings, landscapes, layouts, populations etc. • **Sustainability and environment** How has the local area been affected by humans what can we do? Air pollution, litter		**What is it like on the other side of the world? (Australia)** • **Land use/ settlement** What is the land used for? How is it different to where you live? • **Weather and climate** How does the weather and climate differ to where you live? Northern and Southern Hemisphere. • **Lifestyle and culture** What is it like to be a child in Australia? • **Sustainability and environment** Impact tourism on coral reefs and their habitats. Bush fires.		**Why do so many people go to France on holiday?** • **Land use/ settlement** Which areas are people most attracted to and why? Comparing land coast to mountains what is land used for (skiing, holidays) • **Weather and climate** What is the weather like in France? Is the weather the same North and South of France? How does this compare to the weather where you live? • **Lifestyle and culture** Food, housing, • **Sustainability and environment** Impact of tourism.
Science	**Animals including humans**	**Living Things and Habitats**	**Materials- Everyday Uses and their Suitability**		**Plants**
PE	**Games**		**Dance**		**Athletics**
SCARF	**Me and My Relationships**	**Valuing Differences**	**Keeping Myself Safe**	**Rights and Responsibilities**	**Being my Best**	**Growing and Changing**
Friends Resilience	Friends Resilience- Meditation and relaxation/ Healthy eating/ Exercise/ Feelings- our own and those of others				
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.)		**Hinduism** – How do Hindus worship?

		Easter: How do Christians celebrate Easter?	
Music	Hands Feet Heart -Percussion -Glockenspiels	Friendship Song	Rewind and Replay
ICT	Use Satellite Maps (Google Earth) to locate a specific location. Copy the image and add text. Using brushes and tools to create a stop motion animation of the Great Fire of London. How can we use ICT to communicate? Send an email then experiment with adding appropriate emoji's and GIFs. Preview and download an attachment. Who can we tell if something bad happens online? Create a poster. Can you create a unique firework display using algorithms? Use flash game to alter variables to create a firework display on screen. Create a Venn and Carrol diagram in PowerPoint to sort items. Using brushes and stamps to create a field of poppies. Creating a map of the UK that shows human and natural features & the capital city of each country.	What should we do if we find something bad online? Watch Lee and Kim's Adventure, discuss & share (via WordArt & effects) good practice for if we find something bad online. Creating our own virtual island. Use Kodu to build up a virtual island that include key geographic features (e.g. mountains, lakes, beaches, forests). Add an avatar and program it to move using the keyboard. Combining Paint tools and brushes to create something new. Use Google images to explore how the Australian flag is set out and recreate using paint tools. Using Excel to collect & store data. Collect data on Australian animals, enter it into Excel spreadsheet & answer questions based on the data.	Can you create an original new flower? (using brushes and stamps within 2Paint). What is a Branching Database and how does it work? - Use a branching database to sort members of the royal family. Will there be a king or a queen after Elizabeth? Create a clear line of succession/family tree. What is a simulation and why are they used? Use a simulation to grow plants and flowers. Discuss the advantages of simulating a real-world activity. Use AI for the Oceans activity from Code.org to explore programming virtual robots to clean up the ocean. What's the harm in sharing photos online? Work through examples of images and decide as a class if it is OK to share them and why. Expand this to include recognising what cyber-bullying is and what to do if it happens. Should your software speak? – multimedia presentation (text, video, audio & buttons) about a chosen member of the royal family.
Art	**Art from other Cultures**	**Under The Sea**	**The Natural World**

	Exploring materials and techniques inspired by aboriginal art.	Exploring different materials and techniques inspired by theme, addressing environmental issues (plastic pollution)	Explore the work of famous artists. (Van Gogh Sunflowers) Experiment with materials and techniques inspired by nature. Plants, flowers, shells.
DT	**Food Technology-** Design and make a healthy fruit salad	**Use of Materials:** Make a waterproof boat (STEM Unit) or other object linked to Science – eg design an insulated container for hot or cold drink	**Textiles-** Textile work based on a 'topic' theme – children designing and making their own 'square' to contribute to a larger piece of work **(GM)** **Computer aided design-** How does your software speak