Topic and Science Overview September 2020

	Year 4					
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
History	**Has Corona Virus ever happened before?** **The Great Plague (1665 – 1666) Newcastle (1636) and advancements in medicine** The Great Plague (1665 – 1666) Newcastle (1636) and advancements in medicine **Achievements (scientific and cultural)** Medicine (miasmatic theory - bad air) and sanitation, housing – town planning (link to Great Fire) **Housing and architecture** Cramped, slum housing, lack of sanitation. Red crosses on the doors, quarantine. **Society (politics and class)** Plague 'doctors', so-called 'nurses' miasmatic theory (bad air), changes to daily life (grass!) Effects on the wealthy and poor (wealthy often fled cities to the safer countryside). **Food Farming and Trade** Trade limitation **Entertainment** Ring a ring of roses		**Roman Empire** **What have the Romans ever done for us?** **Achievements (scientific and cultural)** sanitation, public order, irrigation, roads, a fresh water system. **Housing and architecture** Building with stone - Hadrian's Wall. Spas, Aqueducts, viaducts, Fort towns **Society (politics and class)** Emperors, slaves, gladiators. Why were they successful? Different attitudes of different tribes towards the Romans. **Food Farming and Trade** Growth of empire – coins with emperor's heads. **Entertainment** Gladiators **Beliefs** Polythesistic **Weapons and warfare** Army life. Rebellion – Boudicca/ different perspectives of Boudicca. Salt and Ale. Tortoise formation. Army structure and roles.		**Whoever thought going to the beach was so dangerous?** A Study of an aspect or theme in British history, beyond 1066 – D-Day and the beginning of the end of WW2 Why was D-Day and the Battle of Normandy such a significant event in the Second World War? **Achievements (scientific and cultural)** Combination of Allied Forces mounting attack in secret. **Society (politics and class)** United effort – beginning of end of class system linked to women's rights and WW1. Nazis and our democracy. **Food Farming and Trade** Land Army, rations **Entertainment** Keeping spirits up – link to WW1 **Weapons and warfare** Technological advancements	
Geography	**UK City Study - Use maps, atlases, globes and digital/ computer mapping to locate countries and describe features studied- Newcastle or Sunderland**		**River Study and City locations - Settlements, land use, economic activity, including natural resources, especially water supplies.- Tyne or Wear** • **Locational knowledge –** How do you locate river on a map?		**Rainforest – Amazon** • **Locational knowledge** – locate using a map and a globe, **equator** • **Human geography –** types of settlement and land use, economic activity	

	Locational knowledge – identify city on a map and an atlas. Describe location, aerial photographs **Human geography** what amenities are in the areas, transport links, land use, trade links, why are people attracted to cities? How could an area improve? **Physical geography –** rivers, features of villages and cities **Environmental Impact/Effect –**. Noise pollution, graffiti, litter, pedestrianised parts of a city.		**Human geography** what amenities are in the areas. **Physical geography –** label river features, water cycle **Environmental Impact/Effect –** rubbish in rivers		**Physical geography –** vegetation bets, rivers, effect on the water cycle? **Environmental Impact/Effect –** Fair trade, deforestation	
Science	**Electricity** What would life be like without electricity? Investigating conductors and insulators Making scribble bots	**Sound** Why can't you hear a mouse on the other side of the world but you might be able to hear an elephant.	**Animals including humans** Creating a model of the digestive system/ teeth Egg experiment about effects of different liquids on enamel		**Plants/Living things and habitats** Creating a classification key using liquorice allsorts Plastic pollution- effects on the environment	**Materials- changing states of matter** Making rice crispy cakes Making a water cycle
PE	**Games**	**Health & Exercise**	**Dance**	**Gymnastics**	**Athletics**	**Games**
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/ Changing red thoughts to green thoughts & Role Models and support teams					
RE	**Christianity**: What do Christians believe about God? **Christmas:** Why do Christians call Jesus the light of the world?		**General enquiry:** How do religious people show care for each other? **Easter:** Why is Lent important to Christians?		**Sikhism** – What do Sikhs believe and how do they express their beliefs? (Gurdwara, belonging, community)	
Music	Glockenspiel 2		Mamma Mia		Lean On Me	

		- Recorders	- Glockenspiels - Recorders
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
ICT	What is cyber-bullying and what should you do if it happens? (including exploration of validity of sources). Can you find landmarks using coordinates? Contributing to a class blog to communicate with others. Creation of a virtual circuit.	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. Can you trace a route using Google maps?	Sound Waves and Sensors Researching and designing packaging for a Pizza (including nutritional values and food groups – also linked with Data Handling). Using data handling to sort and search data. Using sort to present data more effectively.
Art	**Cityscapes, local architecture**	**Art from other cultures. North America Dream catchers and totem poles**	**Exploring materials and techniques inspired by the Amazon rainforest.**
DT	**Structures-** Buildings- link to Geography and create scale models of well-known buildings in City Study	**Computer Aided Design-** Mosaic Creation of a unique mosaic (PA) **Use of Materials:** Have sourced a Workshop Provider to make Mosaic which would allow for a Class based mosaic based around this term's Geography or History topic	**Food Technology-** Design and make a pizza. Researching and designing packaging for a Pizza (PA)