



Year 4 Topic and Science Overview September 2021

Year 4						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
History	<p>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</p>		<p style="text-align: center;">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.</p>		<p><i>What on Earth caused thousands of children to be taken away from their parents and sent to the countryside?</i> A Study of an aspect in British history, beyond 1066 – Life in Britain during the Blitz. You MUST also consider life in Germany for civilians – The British committed just as many atrocities as the Nazis, just look at Dresden. Achievements (scientific and cultural). Planning and innovations. Society (politics and class) United effort – beginning of end of class system linked to women’s rights and WW1. Nazis and our democracy. Evacuations Food Farming and Trade Land Army, rations Entertainment Keeping spirits up – link to WW1 Weapons and warfare Technological advancements, bombings, Evacuations.</p>	
Geography	<p>China</p> <ul style="list-style-type: none"> • Land use / settlement <p>Economic growth and effect and the land. Diverse physical features</p> <ul style="list-style-type: none"> • Weather and climate 		<p>Where did the Romans come from? (Italy)</p> <ul style="list-style-type: none"> • Land use / settlement 		<p>Why are there so many bridges over the Tyne? (Newcastle Upon Tyne – rivers and cities)</p> <ul style="list-style-type: none"> • Land use / settlement 	



	<p>Compare weather in China to UK Can you suggest areas that would have a similar climate and explain why?</p> <ul style="list-style-type: none"> • Lifestyle and culture <p>How does the lives of the people in China differ to yours?</p> <ul style="list-style-type: none"> • Sustainability and environment <p>Deforestation in China to make room for farmland. Compare deforestation in the UK.</p> <ul style="list-style-type: none"> • Trade / economy <p>Economy looking at changes in one child policy.</p>	<p>Identify human and physical features. How do we know features were built by Romans?</p> <ul style="list-style-type: none"> • Weather and climate <p>What is the weather like in Italy?</p> <ul style="list-style-type: none"> • Lifestyle and culture <p>What is it like to live in Italy? Food? Religion?</p> <ul style="list-style-type: none"> • Sustainability and environment <p>Venice – rising water levels Investigate the effect of human activity on other species of animals. What happened to the fish in Venice during the pandemic, why?</p> <ul style="list-style-type: none"> • Trade / economy 	<p>Identify physical features (rivers) how affect settlement. Identify human features.</p> <ul style="list-style-type: none"> • Weather/climate <p>How does the weather in Newcastle compare to the weather in Italy?</p> <ul style="list-style-type: none"> • Sustainability and environment <p>Plastic pollution River Tyne, how can you be sustainable in your local area?</p> <ul style="list-style-type: none"> • Trade / economy <p>Why are cities located near rivers?</p>			
Science	Sound	Electricity	Animals including humans		Living things and habitats	Materials-changing states of matter
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	<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	



French	Language Angels Phonetics 1 & 2 Fruits Vegetables	Language Angels I can... Romans	Language Angels Classroom House
<p>ICT</p>	<p>What is cyber-bullying and what should you do if it happens? Create a PowerPoint presentation that includes a class definition, solutions & consequences.</p> <p>Can you find landmarks using coordinates? (Google Earth) - pin tool to display (and record coordinates).</p> <p>Contributing to a class blog to communicate with others. Upload content to a prep-prepared Seesaw template & comment on each other's posts.</p> <p>Creation of a virtual (circuit diagram software) and physical circuit (Raspberry Pi) in order to light up an LED & create a switch.</p> <p>Use text-based programming (Logo) to create poppies (linked with Remembrance Sunday).</p> <p>Recording and manipulating sound waves. Record jokes into Audacity. Amplify, then alter the pitch and tempo.</p>	<p>What did the Romans think of Britain? (Postcards from Hadrian's Wall – Word Processing and Image manipulation).</p> <p>Designing virtual mosaics – CAD. Create 3 designs that say something about you.</p> <p>Using sort to present data more effectively (comparison of weather in 2 locations using Excel).</p> <p>Do you trust this website? Analyse the Met Office website exploring factors that affect how trustworthy it is (e.g. date it was updated, author, purpose and links to other websites).</p> <p>Using sort to present data more effectively (linked to DT). Vote on which pizza toppings are the most popular and use ICT to create a simple bar chart to show this.</p>	<p>Using programming to solve problems. Complete Anna and Elsa Activity from Code.org, using IF statements and loops to solve a range of on-screen problems.</p> <p>Creating an animation using PowerPoint (The Water Cycle). Use the animation pane to time entry and exit animations to show to process of the cycle.</p> <p>Can you trace a route using Google maps? Use Google maps to trace local rivers (the Tyne and the Wear) from their source to their mouth.</p> <p>Using inputs and outputs to program a simulation. Use FlowGrid to program and loop inputs and outputs to effectively control a virtual mimic.</p> <p>How does ICT help us? Research and present how technology facilitate the completion of tasks and compare to how the task was performed previously.</p>
<p>Art</p>	<p>Cityscapes, local architecture</p>	<p>Art from other cultures. North America Dream catchers and totem poles</p>	<p>Exploring materials and techniques inspired by the Amazon rainforest.</p>
<p>DT</p>	<p>Structures- Buildings- link to Geography and create scale models of well-known buildings in City Study (including creation of an electrical circuit to light it up).</p>	<p>Computer Aided Design- Mosaic Creation of a unique mosaic (PA)</p> <p>Use of Materials: Have sourced a Workshop Provider to make Mosaic which would allow for a Class based mosaic</p>	<p>Food Technology- Design and make a pizza.</p>



		based around this term's Geography or History topic	
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