



Year 4 Topic and Science Overview September 2021

| Year 4 | | | | | | |
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| | 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</p> <p style="text-align: center;">What have the Romans ever done for us?</p> <p>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 | |



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| | <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 | 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 |
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| ICT | <p>What is cyber-bullying and what should you do if it happens? (including exploration of validity of sources).</p> <p>Can you find landmarks using coordinates?</p> <p>Contributing to a class blog to communicate with others.</p> <p>Creation of a virtual and physical circuit (Raspberry Pi).</p> <p>Recording and manipulating sound waves.</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.</p> <p>How do computers understand instructions? What is the difference between physical and virtual?</p> <p>Using inputs and outputs to program a simulation.</p> <p>Using sort to present data more Effectively (comparison of weather – Sunderland vs. Rome)</p> | <p>Using data handling to sort and search data.</p> <p>Using sort to present data more Effectively (linked to the most popular pizza ingredients).</p> <p>Can you trace a route using Google maps?</p> <p>Using coordinates to effectively locate landmarks on Satellite maps.</p> <p>Creating an animation using PowerPoint (The Water Cycle)</p> |
| 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 (including creation of an electrical circuit to light it up). | 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. |