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| Autumn 1 | Science | **Electricity**  We will identify the main components of a simple series circuit, as well as constructing our own. We will be investigating what makes good electrical conductors and insulators. We will also learn about precautions for working safely with electricity. | | **English**  We will be revisiting SPaG rules from Year 3 and consolidating our understanding.  We will be reading ‘The Promise’ and writing our own poems based on the world around us.  In addition, we will be reading a variety of books linking with our Egyptian topic and using these as inspiration for more writing pieces. |
| History | **Ancient Egypt**  We will journey back to the land of the Pharaohs to answer the question: What can we find out about Ancient Egypt from what has survived? We will be looking at day-to-day life of the Ancient Egyptians including their burial rituals, their gods and goddesses and much more. | |
| Music | **Singing and Performance: MGS Concert**  As we do every year, Year 4 will be taking part in rehearsals for the MGS Y4 concert where children will learn songs along a theme to perform alongside other schools. | |
| RE | **What is the ‘Trinity’ and why is it important for Christians?**  In this unit, children will learn how Christians show their beliefs about God the Trinity in worship in different ways (in baptism and prayer, for  example) and in the way they live. | |
| PSHE | **Mental and emotional health**  Children will be answering questions like: ’What is resilience?’, ‘What does it mean to have responsibility over my choices and actions?’ and ‘What is  discrimination?’ in their PSHE unit this half term. | | **Maths**  We will be focusing on place value and understanding the value of each digit in numbers up to 4 digits. We will be ordering and comparing numbers, as well as counting backwards through zero, including negative numbers. We will be adding and subtracting numbers up to 4 digits using the column method. |
| Computing | **Movie Soundtrack**  We will be learning how to create a music soundtrack on garage band suited to a clip of a film and attaching it to the short video. | |
| PE | **Netball**  We will be practising throwing and catching skills. | **Swimming**  We will be starting our swimming lessons. |
| Art | **Figure Painting & Death Masks**  We will be exploring the art of Ancient Egypt by making traditional figure painting and recreating the death masks worn by mummies. | |
| Autumn 2 | Science | **States of Matter**  We will find out about the properties of the three different states of matter: solid, liquid & gas. We will learn how to use thermometers, set up enquiries about matter changing from one state to another, study the water cycle and investigate carbon dioxide as an example of a gas. | | **English**  In this half-term we will be moving on to writing character descriptions of some of the ancient Egyptian gods we have learned about last half term inspired by the book *I am the Mummy Heb-Nefert.*  Afterwards, we will be practising writing in the first person in a diary entry based on the book *The Scarab’s Secret.* |
| Geography | **Deserts**  In this half term our geography focus will be on the desert biome. We will be exploring what a desert is, finding deserts across the globe as well as looking at their geographical features, and how different plants, animals and humans have adapted and survived in such an arid landscape. | |
| Music | **Mamma Mia**  In this half term, we will be listening and singing along to the songs of the band ABBA. Our main focus is to learn the classic song Mamma Mia. | |
| RE | **What do Hindus believe God is like?**  In RE, children will begin one of their units on the Hindu dharma, learning about the manifold deities of the religion and how Hindus view Brahman. Children will discuss how Hindus worship both one and many gods at once and how Hindus believe god impacts them. | |
| PSHE | **Healthy Lifestyle**  We will be considering how our different choices can affect our health and lifestyle. Children will focus on the role of diet, sleep and illness can affect wellbeing. | | **Maths**  We will recall and use multiplication and division facts for multiplication tables up to 12 × 12.  We will also be applying this knowledge of our times tables to shape, using them to calculate areas. |
| Computing | **Visual Storytelling**  We will be using the school iPads to create short stories with a visual component. | |
| PE | **Gymnastics**  We will be looking at bridge balances. | **Swimming**  We will be continuing with our swimming lessons. |
| DT | **Egyptian Shaduf**  We will design and make our own ancient Egyptian invention the shaduf. A shaduf is was used by ancient civilisations as an irrigation device to turn dry, infertile land into watered, farmable soil. | |
| Spring 1 | Science | **Sound**  We will be exploring the way sound is made through vibration. We will also be looking at how sound travels and finding patterns between the volume of sound and the strength of the vibrations that produced it. | | **English**  In English we are focusing on two books for this half term. Firstly, we will read ‘Somebody Swallowed Stanley’ as inspiration for writing a persuasive speech.  Secondly, as a class we will be reading ‘Leaf’ and using it as inspiration for different pieces of writing. In Year 4, that will be a non-chronological report.  Through these pieces of writing we will be learning about how to make writing persuasive and informative. Children will learn about varying sentence length for effect as well as using a range of punctuation to improve their writing. |
| History | **Peterloo**  In this unit, we will be looking at the infamous event that took place at St Peter’s field (now St Peter’s Square) in 1819. We will be applying the historical skills we have learned so far to get to know the ins and outs of what happened and importantly why. | |
| Music | **Glockenspiel**  We will be learning to play glockenspiel along to pieces of music, reading notes as we go. Children will also have the opportunity to use their instrument to improvise melodies along to music. | |
| RE | **What does it mean to be Hindu in Britain today?**  In this unit children will learn about the different ways Hindus worship in the today’s society. We will focus on practices that take place in the home and on some that involve the whole community. | |
| PSHE | **Living in the Wider World**  As part of their topic children will be learning about things like children’s rights. Children will also learn about managing money and will learning about the topic of sustainability. | | **Maths**  We are continuing with multiplication this half term, focusing on multiplying bigger numbers. After this we will be moving on and using our multiplication skills when learning about area. Towards the end of half term we will be beginning our fractions topic. |
| Computing | **Coding Crash Course**  In this half-term children will be introduced to some of the basics of coding in order to prepare them for next half-term when they will begin coding at a Year 4 level. | |
| PE | **Problem Solving**  In this unit children will be doing physical challenges planned to encourage their team working, communication and problem solving skills. | **Swimming**  We will continue to build upon skills with our weekly lessons. |
| Art | **Protest Art**  Year 4 will be looking at the ways in which art can be used as an expression of protest by looking at a variety of artists. | |
| Spring 2 | Science | **Living things and their habitats**  This unit has two main focuses for us to learn about. Firstly, we will find out about the ways in which all living things can be classified, including the keys used to decide these. Secondly, we will look at how habitat changes can pose dangers to living things. | | **English**  In English, children will be revisiting their letter writing skills using their knowledge of informal language to write letters inspired by the book ‘The Day the Crayons Quit’. |
| Geography | **Local Area**  In geography, we will be focusing our geography skills a little closer to home by doing a close study of our local area. This will include further learning on how to use maps, taking transport surveys and looking at the human geography of Rusholme. | |
| Music | **Spring Concert**  In this half term we will be using music lessons to practise and perform songs for our Year 3 and 4 Spring concert. | |
| RE | **Why do Christians call the day Jesus died ‘Good Friday’?**  Through this topic we will explore the Christian idea of Salvation and consider answers to our topic question. We will look at what ‘Good Friday’ means to Christians and what it represents for the church. | |
| PSHE | **Keeping Safe**  This half term we are learning about keeping safe. We will be looking at some of the ways we can stay safe at school and outside. | | **Maths**  In maths we are continuing on from previous years building on our knowledge of fractions and decimals to represent parts of a whole.  Additionally, we are continuing to practise mental arithmetic skills and times tables up to 12 x 12. |
| Computing | **Coding**  In this half term children will begin to code at a Year 4 level, improving on the skills they learned last half term to make coded programs. | |
| PE | **Cricket**  Children will learn to play the game cricket, practising throwing and catching and introducing newer skills like batting and bowling. | **Swimming**  We will be continuing with our swimming lessons. |
| DT | **Healthy Pizza**  Children will be researching various pizza toppings and learning about healthy eating in order to successfully create a healthy pizza. | |
| Summer 1 | Science | **Animals including humans**  In science, we will be looking at three different aspects of ‘animals including humans’. Firstly, we’ll look at different types of teeth as well as the importance of dental hygiene. Following on from this, we will be learning about how the digestive system works after food has been chewed up by the teeth and finally we will see how different food chains work, and the role of each animal in the food chain. | | **English**  For English this half term we will be using the book Escape to Pompeii for inspiration. The book retells the eruption of Pompeii through the eyes of a young Roman.  Through these texts we will write diary entries as well as detailed setting descriptions inspired by the artwork of the book. |
| History | **The Roman Empire and its impact on Britain**  We will be start an in depth study of the Roman Empire and its expansion to Britain. We will be looking at how the Romans lived, what they believed and how their invasion of Britain and much of Europe has impacted the way we live life today. | |
| Music | **Lean on Me**  Children will be listening to various songs in the soul genre this half-term learning to play along, improvise and even compose some parts of their own. | |
| RE | **For Christians, when Jesus left; what was the impact of Pentecost?**  In RE, to follow on from our previous topic on Good Friday and Easter Year 4 will be learning | |
| PSHE | **Online Safety**  After recapping digital footprints, children will explore the terms malware and phishing. They get to understand plagiaris and the importance of crediting authors and finally learn about what is meant by healthy screen time. | | **Maths**  In maths we are continuing on with decimals, applying these skills to understand money in pounds and pence.  After that, we will begin looking at shape and angles. |
| Computing | **Crash Course Spreadsheets**  Children this half term will be introduced to 2Calculate, a spreadsheet tool on Purple Mash. We will learn about cells, formulas and calculations that can be made using this software. | |
| PE | **Dance**  In this half term, children will use dance to portray cat-like movements. | **Swimming**  We will continue to build upon skills with our weekly lessons. |
| Art | **Roman Mosaics**  Inspired by our history focus we will be looking at the Roman art of mosaics, investigating how it is made and eventually creating one of our own. | |

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| Summer 2 | Science | **Revisiting Science**  In this final half term of Year 4, we will be revisiting some of our topics from earlier in the year and carrying out different experiments to further understand our topics. Also, we will be looking at ways in which science can be recorded and presented. | | **English**  This half term, children will have the opportunity to re-create a story opening based on the book *Treasure Island.* Giving them the opportunity to create characters and narratives from their imagination.  We will also be revisiting some of the text types we have written this year. |
| Geography | **Italy**  In this unit we will be exploring the human and physical geography of Italy. Using map skills to locate not only the country itself but the various landmarks and natural landscapes within it. | |
| Music | **Blackbird**  In music, we will be listening to the music of The Beatles and continuing to practise our composing and improvising skills using instruments to play along to a piece of music. | |
| RE | **How and why do people mark the significant events of life?**  In this unit, pupils will learn about the beliefs of people from different worldviews surrounding commitment and promises. They will discuss the meaning and importance of ceremonies of commitment for religious and non-religious people. | |
| PSHE | **RSE**  In PSHE this half term, children will learn about diversity, respectful relationships and the changes that will happen to their body as they grow up. | | **Maths**  As we approach the end of the year children will be consolidating and practising their times tables up to 12x12.  After this, we will move onto other topics such as shape, statistics, position and direction. |
| Computing | **Spreadsheets**  In this half term, children will be moving on with the skills they learned in the spreadsheets crash course. They will be moving on to more advanced skills at a year 4 level to apply to the 2Calculate app on purple mash. This will include using spreadsheets for multiple purposes. | |
| PE | **Tennis**  We will be practising our racket skills by playing tennis. | **Swimming**  We will be continuing with our swimming lessons. |
| DT | **Catapults**  In DT, we will be looking at the technical skills need to build a working catapult before applying these skills, building one and testing how it works. | |