



Year 4 Long Term Map Foundation Subjects and Science—2021-22

	Autumn	Spring	Summer
Science	<p><u>Living things</u></p> <p>In our first science topic of year 4, we will have an opportunity to get outside and to explore our schools grounds and to identify the different habitats that our local wildlife use. We will discover that living things can be sorted into groups e.g. vertebrates and invertebrates and that plants and animals can be classified using a key.</p> <p><u>Teeth and eating</u></p> <p>We will begin by looking at our own teeth and start to identify what types of teeth humans have and the jobs they do based on our own experiences. We will learn about food chains e.g. predators, prey, producers and the role each organism plays. Finally, we will learn about the human digestive system through a practical and slightly gross demonstration.</p>	<p><u>States of matter</u></p> <p>In this exciting topic, we will compare and group materials as solids liquids and gases. We will observe changes in state during lots of investigations and practical learning. Finally, we will learn about the water cycle and make links to the real-world. The spring term is perfect for learning about rain, rain and more rain!</p>	<p><u>Electricity</u></p> <p>We will start by identifying common appliances in school and at home and move on to constructing a simple series electrical circuit. We will learn the names of components e.g. bulb, buzzer, battery, wire, cells, switch and motor and work collaboratively to investigate bulb brightness. We will learn about conductors and insulators and how to make a switch turn off and on. We will also make a link with DT as we will work on a project involving electrical systems.</p> <p><u>Sound</u></p> <p>In this final science topic of the year, we will identify how sounds are made through exploration of vibrations, pitch and volume. We will also have fun investigating how distance affects sound.</p>
Geography		<p><u>Local area study</u></p> <p>In this spring term, it is a chance to head out on a field trip. We will visit Bosworth battlefield to make the Battle of Bosworth really come alive. We will be able to observe and record physical and human features at the site. Plus, we will have an opportunity to sketch maps and to look at land use.</p>	<p><u>Maps</u></p> <p>This is an opportunity for us to learn some physical geography. We will discover the names of the 7 continents and the 5 oceans of the world. We will begin learning about hemispheres and tropics and will use maps and atlases to locate countries, focusing on the U.K. We will learn the names of the bodies of water surrounding the UK and identify physical features using a key. There will also be links made with our P.E. topic -Outdoor and Adventurous.</p>
History	<p><u>Egyptians</u></p> <p>In this exciting topic, we will begin by learning about the geography of Egypt using atlases and maps. We will move on to discover how the River Nile was key to survival and the impact it had on daily life including food, jobs and land use. We will then learn about the beliefs the Egyptians had and specifically about the Egyptian Gods, the pyramids and the pharaohs including Tutankhamun. We will finish off the topic with a whole day experience called ‘Mummy School’.</p>	<p><u>The Tudors</u></p> <p>Have you ever wondered what life was like in Tudor Times? That’s exactly what we will be learning about. We will also discover about the monarchy and the kings and queens of that era: Queen Elizabeth I, Henry the VII and King Richard III (you might have heard of him!). We will also learn about some historical figures e.g. Sir Walter Raleigh, Sir Francis Drake and Shakespeare and the impact they have had on our modern day. What an inspirational period of time!</p>	<p><u>Turning points in history—famous inventors</u></p> <p>In our final history topic of the year, we will research important historical figures that have impacted modern day living through their inventions. We will discuss the importance of these events and use evidence to support our findings. We will build arguments for and against these inventions and understand how Britain has been influenced by the wider world. Links will be made with sound and electricity— our Y4 science topics.</p>
Computing	<p><u>Internet safety</u></p> <p>We start the year with a very important topic where we will learn how to communicate safely and how to act responsibly whilst using the Internet. We will look at possible dangers and know how to reports concerns. We will also learn about confidentiality and how to stay safe.</p> <p><u>PowerPoint project</u></p> <p>This is an opportunity for us to learn how to record and present information using a presentation program. We will learn how to use a presentation program to create a presentation.</p>	<p><u>Internet safety</u></p> <p>We will revisit this very important topic and continue to learn how to communicate safely, how to act responsibly whilst using the Internet, how to identify possible dangers and how to reports concerns.</p> <p><u>Research project</u></p> <p>We will work collaboratively to research a historical event in Tudor times using the Internet. We will present our findings to the class and discuss our findings.</p>	<p><u>Internet safety</u></p> <p>For the third time this year, we will discuss Internet safety and how to behave responsibly addressing any concerns or issues.</p> <p><u>Programming and coding</u></p> <p>In this popular topic, we will learn how to design, write and de-bug programs. We will control and simulate physical systems using algorithms. We will be expected to solve problems by decomposing instructions, using sequence selections and using repetition in programming.</p>



The Merton Primary School
To be the best we can be.

Year 4 Long Term Map Foundation Subjects and Science—2020-21

	Autumn	Spring	Summer
DT	<p><u>Cooking</u> What a great way to start the year! We will learn about a healthy and varied diet and why cooking is so important. Then we will move on to planning and preparing a recipe; cooking a savoury dish; and evaluating the end result—the best part is tasting it!</p>	<p><u>Textiles</u> In this hands on unit, we will continue to make links with the Tudor period by making a Tudor purse. We will firstly consider purpose, design and suitable materials. Then we will learn a range of basic sewing stitches and use the most suitable when creating our product. This is also an opportunity to invite our local community into school to support us as we make our designs.</p>	<p><u>Inventors project</u> What a great way to end the year! We will develop a product which positively impacts the wildlife in our local area. There is a link with our previous science topic: Living Things. We will evaluate existing products and gain inspiration through research and analysis. Then we will plan and generate ideas and produce labelled diagrams. Finally, we will use our design to create a product and evaluate it.</p>
RE	<p><u>Why are religious festivals important to religious communities?</u> An opportunity to look at a range of religions and how each one celebrates in their community. We will learn the importance of celebration for each faith.</p>	<p><u>What does it mean to be a Christian in Britain today?</u> We will discover what Christians do at home, in church and in the wider community and why these things are important to them.</p>	<p><u>What do different people believe about God?</u> We will learn about faith and what God means to different people and different religions. There will be a focus on learning through stories. We will learn that different religions worship God in different ways.</p>
PE	<p><u>Competitive games</u> In this unit, we will learn about tactics and rules for a variety of striking and fielding games. Great fun! We will develop our hand-eye coordination when practising throwing, catching and batting. Let's get out and use our school field.</p> <p><u>Gymnastics</u> We will enjoy using our school hall and a range of apparatus. We will create a sequence which includes rolls, balances and symmetrical and asymmetrical body shapes. We will develop our flexibility and learn how to move safely whilst on apparatus. There will be regular self and peer evaluating so that we can develop our performance.</p>	<p><u>Performance dance</u> This is a fun opportunity to learn how to dance like the Tudors. We will learn a sequence of moves to music ensuring we count the beats and keep in time. There will be an opportunity to create and choreograph our own steps using rhythm to improvise. There will also be an opportunity to perform the dance to an audience.</p>	<p><u>Outdoor and Adventurous</u> This topic will involve team work and resilience. We will learn basic orienteering skills such as using a strategic plans. There are links with geography—map work.</p> <p><u>Athletics</u> In our final term as the warmer weather appears, we will learn to throw with power and accuracy. We will also learn about different running paces for varied distances and practice a good running technique for competitive situations. Finally, we will learn footwork patterns for jumping. We will also evaluate our performance and improve personal bests.</p>
Music	<p><u>Merton Music Journey</u> This year we will have an amazing opportunity to be taught by a specialist Percussion teacher from Leicestershire Schools Music Services.</p>	<p><u>Merton Music Journey</u> We continue to develop our percussion skills through specialised teaching and a range of hands on experiences.</p>	<p><u>Merton Music Journey</u> This term is mainly about pitch through learning to play the glockenspiel and to perform as part of a group.</p>
HRE	<p><u>Health and well being</u> In this topic, we focus on physical, mental and emotional health. We learn to identify and discuss good and not so good feelings. We will talk about pressure and how to ask for help. We will also learn about the importance of a balanced life style and how to achieve this.</p>	<p><u>Relationships</u> We will discuss and identify positive and healthy relationships. We will learn about the different types of relationship and we will identify similarities and differences between these. We will discuss boundaries, respect and bullying making links to personal experiences wherever possible.</p>	<p><u>Living in the wider world</u> This topic is all about responsibilities—at home, school and in the local community. We will learn how to resolve differences and the importance of respecting other's points of view. We will learn about the role of money and how resources can be allocated in different ways. There will also be an opportunity to learn about enterprise.</p>