

Year 5 Long Term Map Foundation subjects and Science—2021- 22

	Autumn—Victorians	Spring - The Americas	Summer Ancient Greece
Science	<p>MATERIAL WORLD: In this topic, the children learn about materials and how they change. First they test properties of materials, before looking at how materials dissolve, what a solution is, and evaporation. Finally the children compare reversible and irreversible changes.</p> <p>LET'S GET MOVING: In this topic children learn about forces and machines. Starting with the force of gravity, they then study friction forces, including air and water resistance, before investigating how simple machines work.</p>	<p>CIRCLE OF LIFE: In this topic children look at life cycles of various species – including mammals, amphibians and birds. They also look at and describe the life process of reproduction in plants and animals.</p> <p>SUPER SCIENTISTS:</p> <p>Children work scientifically on a variety of quick challenges and longer tasks to learn about the different ways in which scientists work in the real world. This topic looks at the discoveries of famous scientists, the methods forensic scientists use and the various ways scientists tell others about new discoveries</p>	<p>SPACE: In addition to knowledge and skills, the children will also– through the Ancient Greeks– investigate; over time, how have scientists ideas changed about the solar system? Why did people once think that the earth was at the centre of the solar system?</p> <p>GROWING UP AND GROWING OLD: a journey through the human life cycle, exploring the changes and development at each stage– both emotional and physical. Particular attention will be paid to puberty and the preparation for their own changes that lie ahead, and linked to the RSE programme of study.</p>
Geography	<p>PHYSICAL GEOGRAPHY MAP AND ATLASES,; The journey will focus on Europe and the links with Victorian Britain. Geography forms a small part of this topic but the children will be encouraged to explore to Europe, what it looks like on a map and globe and what countries and cities make Europe.</p>	<p>THE AMERICAS: Children will immerse themselves in the countries and cultures of North and South America. They will be making links between their own life and those of others in different countries. The children will learn a variety of geographical skills and apply them as their knowledge of different countries increase. This theme runs strongly through English and Art so it is crucial that children are equipped with knowledge that can be applied.</p>	
History	<p>THE VICTORIANS: Learning will focus around this main question ‘What would my life be like if I lived in 1865?’. Children will be taught about the key differences between then and now and they will be encouraged to explore, question and be curious about these differences. The journey into Victorian life will be enhanced through hands on experiences such as ‘Victorian Classrooms’ ‘Victorian Toys’ etc.</p>		<p>ANCIENT GREEKS: Through purposeful and relevant lessons, children will be inspired by factual information—driven by historical context and analysis— to understand how the mistakes and successes of past civilisations still impact on our life today.</p> <p>By exploring the complex connectedness and the legacy of ancient Greeks on modern societies, art, politics and architecture, children will understand that history can help us to understand and make a difference in our own futures: for example looking at ‘empire’ ‘slavery’ and human rights in both a modern and ancient context.</p> <p>They will be encouraged to think about good and responsible citizenship, and develop the skills of judgement and decision making by thinking about the world around them through an understanding of the past.</p>
Computing	<p>SHARING INFORMATION, VECTOR DRAWING AND PHYSICAL COMPUTING: The computing journey has three main elements to be taught this term that stand alone ‘Sharing information’ ‘Vector Drawing’ and ‘Physical Computing’. Alongside these themes, children should be constantly immersed in internet safety. ONLINE SAFETY EVERY TERM.</p>	<p>DATABASES AND QUIZZES: The children will spend time exploring databases and quizzes, where possible linked in to the topic of The Americas.</p> <p>ONLINE SAFETY EVERY TERM.</p>	<p>VIDEO EDITING: The children will look at the power of video to educate and explain. They will develop the skills of video editing—using a range of software—and presentation to communicate findings and engage an audience.</p> <p>ONLINE SAFETY EVERY TERM.</p>
Art	<p>GREAT ARTISTS, DRAWING, PAINTING AND SCULPTURE : Children will be encouraged to learn more about Victorian life through immersing themselves in some of the great artists of that time. There will also be a strong art link to the book Wonder which is being read and explored in English (Picasso).</p>	<p>SHADING: The art journey is closely linked to the topic of The Americas. Children will learn how to sketch and shade animals that can be found in North and South America. They will use a variety of techniques to add shading and tone to the animals that they draw. They will take great pride in their work and add to it over a period of time. The children will learn how to create new colours and use overlays as they create a background for the animals that they have drawn.</p>	<p>COLLAGE: The children will immerse themselves in Greek culture and knowledge and produce a collage depicting a Greek myth/legend or showing a key event.</p>

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

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DT	<p>SEWING, MECHANICAL SYSTEMS AND LEARNING ABOUT FAMOUS INVENTIONS: Children will be learn more about what life would be like as a Victorian child as they make and produce a sampler equivalent to those made in Victorian times. Children will have learnt in history about the great industrial changes and the inventions that were created in this time and will then be inspired to make and produce their own product.</p>		<p>COOKING AND POTTERY: The children will use knowledge and skills to prepare savoury dishes with Greek origin. They will also design and make a piece of pottery inspired from their knowledge of Greek culture and history.</p>
RE	<p>WHY DO SOME PEOPLE BELIEVE IN GOD?</p> <p>The children will be engaged in systematic enquiry as they explore the question ‘Why do some people believe in God?’. They will be encouraged to share and explore their own view points and those of others in a respectful way.</p>	<p>WHAT DOES IT MEAN TO BE A MUSLIM IN BRITAIN TODAY? Children will immerse themselves in the Islam religion, learning about all key aspects and what daily life for a British Muslim is like.</p>	<p>IF GOD IS EVERYWHERE WHY GO TO A PLACE OF WORSHIP?</p> <p>This investigation enables pupils to learn in depth from different religious and spiritual ways of life about worship, drawing out more detail, history and diversity through focussing on places of worship. Pupils learn about the various purposes of a place of worship as well as how believers see these places. Pupils think about the idea of God’s presence on earth and in believers’ lives. Opportunities to debate are given, including of the key question, to offer pupils a chance to reflect for themselves on the value and purpose of worship in religion?</p>
PE	<p>OUTDOOR AND ADVENTUROUS AND DANCING: Children will take part in two key areas of PE this term. They will be encouraged to apply and develop a broad range of skills learning how to use them in different ways and to link them to create unique movements. They will be encouraged to explore how they can improve their physical performance and learn how to evaluate and recognise their own success.</p>	<p>GYMNASTICS AND COMPETITIVE GAMES: The children will learn how to perform and evaluate a performance in gymnastics and then will use those skills of evaluating performance in competitive games. The journey of PE will encourage children to look for confidence in their own performance and to recognise success.</p>	<p>ATHLETICS, STRIKING AND FIELDING: In this unit children focus on developing their technical understanding of athletic activity. They learn how to set targets and improve their performance in a range of running, jumping and throwing activities.</p> <p>As in all athletic activities, children think about how to achieve the greatest possible speed, height, distance or accuracy.</p>
Music			
HRE	<p>FAMILIES AND CLOSE PERSONAL RELATIONSHIPS, FRIENDSHIPS, SAFE RELATIONSHIPS, RESPECTING SELF AND OTHERS , MANAGING HURTFUL BEHAVIOUR AND BULLYING AND FIREWORK SAFETY:</p> <p>The children will begin to look at personal rights and responsibilities, and how their actions have an effect on others– both good and bad. How showing responsibility for others means sometimes changing their own actions and challenging those of others.</p> <p>They will learn to understand that while families may look different, there are fundamental characteristics that make secure and healthy relationships.</p>	<p>DRUGS, ALCOHOL AND TOBACCO AND MENTAL HEALTH:</p> <p>Children will dig deeper into how to look after their own physical and mental health and safety– understanding the legal situation, warning signs and knowing when to ask for help.</p> <p>The aim of teaching pupils about physical health and mental well-being is to give them the information that they need to make good decisions about and for themselves.</p>	<p>HEALTH AND WELLBEING : HEALTHY LIFESTYLES; OURSELVES GROWING AND CHANGUNG</p> <p>This journey is about empowerment and self– efficacy and starts with pupils being taught about the benefits and importance of daily exercise, good nutrition and sufficient sleep. Children will be provided with advice about self– care and mental well-being, as well as basic first aid.</p> <p>Puberty will be discussed during these sessions to ensure pupils are prepared for the changes they will experience.</p>