

Curriculum map for Foundation Subjects - Year 2



	Science	Computing	History	Geography	PE	Art	Design Technology	Music	RE	PSHE
Autumn 1	<p>Human survival</p> <p>Children learn about the stages of human life from baby through to elderly. They learn about what humans need to keep them alive and healthy, including diet, physical health and hygiene. Children learn about the 5 different food groups too.</p>	<p>Computing systems and networks</p> <p>IT around us</p> <p>Children will develop their understanding of what information technology (IT) is and will begin to identify examples. They will discuss where they have seen IT in school and beyond, in settings such as shops, hospitals, and libraries. Learners will then investigate how IT improves our world, and they will learn about the importance of using IT responsibly.</p>	<p>Movers and Shakers</p> <p>In this unit, children learn about historically significant people who have had a major impact on the world. (Mary Anning, Paul Cezanne, Emmeline Pankhurst, Neil Armstrong, Henry VIII, Rosa Parks, Joseph Lister, Christopher Columbus and Van Gogh.</p> <p>They will learn to use timelines, stories and historical sources to find out about the people featured and use historical models to explore their significance.</p>	<p>Let's explore the world</p> <p>This essential skills and knowledge unit teaches children about atlases, maps and cardinal compass points. They learn about the characteristics of the four countries of the United Kingdom and find out why there are hot, temperate and cold places around the world. They also compare England to Somalia. Children carry out fieldwork, collecting primary data in their locality to answer geographical questions.</p>	<p>REAL PE Unit 1 Personal Skills</p> <p>Real Gym Unit 1</p>	<p>Exploring Colours</p> <p>This unit is linked to Movers and Shakers. Children learn about colour theory by studying the colour wheel and colour mixing. It includes an exploration of primary and secondary colours, hues and how artists use colour in their artwork.</p>	<p>Remarkable recipes</p> <p>This unit is linked to Movers and Shakers. Children learn about sources of food and tools used for food preparation. They also discover why some foods are cooked and learn to read a simple recipe. The children choose and make a new school meal that fulfils specific design criteria</p>	<p>Pulse, Rhythm and Pitch</p> <p>Children learn that music has a pulse, a steady beat. They learn about high, and lows sounds, long and short sounds and that these are called rhythm and pitch.</p>	<p>Christianity – What did Jesus teach?</p> <p>In this unit, children learn to retell bible stories that show kindness and to explore how this makes Christians behave towards other people.</p> <p>What can I learn from stories from religious traditions? Should people follow religious leaders and teachings?</p>	<p>Being me in the world</p> <p>In this unit, the children discuss their hopes and fears for the year ahead. They learn about rights and responsibilities; how to work collaboratively, how to listen to each other and how to make their classroom a safe and fair place. The children learn about choices and the consequences of making different choices.</p>
	Autumn 2	<p>Habitats</p> <p>Children learn what a habitat is and how they support animals and plants to survive. They focus on living and non-living things, identifying plans and animals and learn about food chains.</p>	<p>Creating Media</p> <p>Digital photography</p> <p>Children will learn to recognise that different devices can be used to capture photographs and will gain experience capturing, editing, and</p>			<p>Real PE Unit 2 Social Skills</p> <p>Cambridge Scheme Fundamentals Unit 2</p>	<p>Still life</p> <p>This unit is linked to Movers and Shakers. Children learn about the work of significant still life artists and still life techniques. They explore a wide variety of still life's and learn about the use of colour and</p>		<p>Playing in an Orchestra</p> <p>Children learn about playing together, ensembles, bands and group playing. They learn about Orchestras.</p>	<p>Christianity – Christmas</p> <p>In this unit, children reflect on the Christmas story and the reasons for Jesus' birth.</p> <p>Why did God give Jesus to the world? Is God important to everyone?</p>

	Children learn about how animals keep them safe through, camouflage, mimicry, shields and colouration.	improving photos. Finally, they will use this knowledge to recognise that images they see may not be real.				composition. They create still life arrangements and artwork.				
Spring 1	Materials In this unit, children learn about different types of materials including clay, fabric, glass, metal, paper, plastic, rock and wood. They learn about the properties of materials including absorbent and not absorbent, opaque, transparent, waterproof, rough and smooth. Children learn about recycling, which materials can be and those that can't and why.	Programming A Robot Algorithms This unit develops learners' understanding of instructions in sequences and the use of logical reasoning to predict outcomes. Learners will use given commands in different orders to investigate how the order affects the outcome. They will also learn about design in programming. They will develop artwork and test it for use in a program. They will design algorithms and then test those algorithms as programs and debug them.		Coastlines Children learn about the physical and human features of coastal regions across the United Kingdom, including a detailed exploration of the coastal town of Whitby, in Yorkshire.	Real PE Unit 3 Cognitive Skills Real Gym Unit 2	Flower Head This unit is linked to Coastline. Children learn about the visual elements of flowers, including shape, texture, colour, pattern and form. They also explore various artistic methods, including drawing, printmaking and 3-D forms, using paper and clay.	Beach Hut This unit is linked to Coastline. Children learn about making and strengthening structures, including different ways of joining materials.	Inventing a Musical Story Children learn that music is used for many reasons and can help us to tell a story and express our feelings. They learn that music can be loud or soft, fast or slow, smooth and connected, or short and detached. We can also use instruments with different sounds to help communicate a story and different emotions.	Judaism – Passover In this unit, children learn to understand how celebrating Passover and keeping Kashrut (food laws) help Jews show God they value their special relationship with Him. How special is the relationship Jews have with God? Who do I believe I am? Does it feel special to belong?	Dreams and Goals In this unit, the children explore setting realistic goals and how they can achieve them. They discuss perseverance when they find things difficult as well as recognising their strengths as a learner. The children consider group work and reflect on with whom they work well and with whom they don't. They also reflect on sharing success with other people.
					Real PE Unit 4 Creative Skills Real Dance					
Spring 2	Plants Children learn that plants are living things that change with the seasons. They learn about parts of a plant	Data and information Pictograms Children begin to understand what the term data means and how data								

	including leaf, flower, stem and fruit. They also learn bark, leaf, branch, trunk and root for trees. They learn about the job of each part of a flower or tree. They investigate what plants need to thrive and grow. They learn about the term germination.	can be collected in the form of a tally chart. They will learn the term 'attribute' and use this to help them organise data. They will then progress onto presenting data in the form of pictograms and finally block diagrams. Learners will use the data presented to answer questions.						different pitches that sound at the same time, we can hear harmony in music! In this unit, children will explore using their voices and instruments.	resurrection means for Christians. Is it true that Jesus came back to life again? Is God important to everyone? Are symbols better than words at expressing religious beliefs?	healthy snacks and discuss why they are good for their bodies.
Summer 1	Animals Children build on their learning about how animals survive in the world. They learn that habitats are places that animals and plants live. They learn about vertebrates and invertebrates, including the 6 invertebrate groups: arachnids, crustaceans, insects, molluscs, myriapods and worms. They also learn about microhabitats and lifecycles.	Creating media Digital music In this unit, learners will be using a computer to create music. They will listen to a variety of pieces of music and consider how music can make them think and feel. Learners will compare creating music digitally and non-digitally. Learners will look at patterns and purposefully create music.	Magnificent Monarchs In this unit, children learn about the English and British monarchy from AD 871 to the present day. Using timelines, information about royal palaces, portraits and other historical sources, they build up an understanding of the monarchs and then research six of the most significant sovereigns.	Real PE Unit 5 Applying Physical Tri Golf	Portraits and Poses This unit is linked to Magnificent Monarchs. Children learn about portraiture. They analyse the portraits of Tudor monarchs and compare Tudor portraits and selfies today. They use photo editing software to create royal portraits.	Cut, Stitch and Join This unit is linked to Magnificent Monarchs. Children learn about fabric home products and the significant British brand Cath Kidston. They learn about sewing patterns and using a running stitch and embellishments before making a sewn bag tag.	Exploring Improvisation. In this unit, children will explore improvisation. They will use two or three notes and have a go at playing or singing on their own.	Judaism – prayer at home In this unit, Children learn to understand the special relationship between Jews and God and the promises they make to one another. How important is it for Jewish people to do what God has asked them to do? Should people follow religious leaders and teachings?	Relationships In this unit, children learn about family relationships and dynamics. Children explore friendships and learn how to cope with falling out and then how to repair relationships. Children consider the importance of trust in relationships and what this feels like. They also learn about two types of secret, and why 'worry secrets' should always be shared with a trusted adult. Children reflect upon different types of physical contact in relationships, which are acceptable and which ones are not. They practise strategies for being assertive when someone is hurting them or being unkind. The children also in this unit, children revisit family relationships and identify the different expectations and roles that exist within the family home. They identify why stereotypes can be unfair and may not be accurate, e.g. Mum is the carer, Dad goes to work. They also look at careers and why stereotypes can be unfair in this context. They learn that families should be founded on love, respect, appreciation, trust and co-operation.	

<p>Summer 2</p>	<p>Programming B</p> <p>Programming quizzes</p> <p>This unit initially recaps on learning from the Year 1 ScratchJr unit 'Programming B – Programming animations. Learners begin to understand that sequences of commands have an outcome and make predictions based on their learning. They use and modify designs to create their own quiz questions in ScratchJr and realise these designs in ScratchJr using blocks of code. Finally, learners evaluate their work and make improvements to their programming projects.</p>				<p>Real PE Unit 6 Health & Fitness</p> <p>Cambridge Scheme Fundamentals Unit 3 Striking & Fielding</p>		<p>Push and Pull</p> <p>This unit is linked to Magnificent Monarchs.</p> <p>Children learn about three types of mechanism: sliders, levers and linkages. They make models of each mechanism before designing and making a greetings card with a moving part.</p>	<p>Our Big Concert</p> <p>In this unit, children will present their choice of songs to create a performance. They will learn to introduce themselves or their band and will be able to tell their audience what they have learnt.</p>	<p>Judaism – Haji</p> <p>In this unit, children learn about the ways in which Jews show their commitment to God.</p> <p>What is the best way for Jews to show commitment to God?</p>	<p>Changing me</p> <p>In this unit, children reflect on the changes that occur (not including puberty) between baby, toddler, child, teenager, adult and old age. Within this, children also discuss how independence, freedoms and responsibility can increase with age. As part of a school's safeguarding duty, pupils are re-taught the correct words for private parts of the body (those kept private by underwear: vagina, anus, penis, testicle, vulva). They are also reminded that nobody has the right to hurt these parts of the body, including a lesson on inappropriate touch and assertiveness. Children practise a range of strategies for managing feelings and emotions. They are also taught where they can get help if worried or frightened. Change is taught as a natural and normal part of growing up and the range of emotions that can occur with change are explored and discussed.</p>
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