

FOUNDATION SUBJECTS AND SCIENCE CURRICULUM ROLLING PROGRAMME - Key Stage 2

CYCLE A

	Autumn	Spring	Summer
Science	<p>Electricity, including constructing a circuit and understanding conductors and insulators.</p> <p>States of matter, including grouping materials, changing state, evaporation and condensation.</p> <p>Properties and changes of materials, including dissolving, separating and reversible changes.</p>	Plants, including parts of plants, needs of plants and their life cycle.	<p>Forces and magnets, focusing on attraction and repulsion of magnets, magnetic materials and the two poles of a magnet.</p> <p>Evolution and inheritance, looking at fossils, reproduction and adaptation.</p> <p>Rocks, including comparing rocks, looking at fossils and understanding how soil is made.</p>
Computing	<p>Scratch - game design</p> <p>Digital inputs</p>	<p>Databases</p> <p>Big and small: digital microscopes</p>	<p>Video</p> <p>Using and applying</p> <p>Typing skills</p>
Geography	Counties and cities of the United Kingdom.	<p>Rainforests - Focus on the Amazon and Brazil</p> <p>Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities.</p> <p>Describe and understand key aspects of physical and human geography.</p>	Describe and understand key aspects of physical and human geography.
History	The achievements of the earliest civilizations – an overview of where and when the first civilizations appeared and a depth study of Ancient Egypt.		<p>Local history study - Lancaster's golden age - its role as a thriving 18th century port.</p> <p>Visit to the Maritime Museum</p>
RE	<p>Christianity - How (and why) have some people served God?</p> <p>Chritianity - What does it mean to be a disciple of Jesus?</p>	<p>Islam - Why is the Prophet Muhammad (pbuh) an example for Muslims?</p> <p>Christianity - What do Christians mean by the Holy Spirit?</p>	<p>Judaism - Who inspires you?</p> <p>All faiths - Who do you worship?</p>
PE	<p>Football</p> <p>Gymnastics</p> <p>Netball skills</p> <p>Dance</p>	<p>Hockey</p> <p>Racquet sports</p> <p>Tag rugby</p> <p>Rounders</p>	<p>Cricket</p> <p>Dance</p> <p>Athletics</p> <p>Outdoor activities</p>
French	<p>Moi (Me)</p> <p>Counting; name, age and where live; locate major French</p>	<p>En classe (In the classroom)</p> <p>Counting; names of common objects in the classroom;</p>	As- tu un animal? (Do you have a pet?)

	<p>cities; express feelings; say if they have brothers or sisters; engage in conversations; join in with a song; ask and answer questions; write phrases from memory</p> <p>L'alphabet et les couleurs (alphabet and colours)</p>	<p>gender of nouns; plural nouns; position of adjectives in relation to nouns; asking to do things in French</p> <p>Les pays francophones (French speaking countries)</p>	<p>La Chasse a l'ours (We're Going On A Bear Hunt)</p>
Music	<p>These units present an integrated approach to music where games, the dimensions of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked, as well as learning to sing, play, improvise and compose are linked to the genre.</p>		
	<p>Pop music</p> <p>Reggae</p>	<p>Ballads</p> <p>Jazz introduction</p>	<p>Civil rights/Beatles</p> <p>Summer Production</p>
Art	<p>Formal Elements - texture and tone, printing</p> <p>Theme - shading</p>	<p>Art & Design Skills - Design, drawing, craft, painting and art appreciation</p> <p>Theme - puppets</p>	<p>Craft - Materials: tie-dye, weave and sew</p>
Design Technology	<p>Electrical Systems: Static Electricity</p> <p>Pupils are introduced to static electricity and observe the effects of it on different objects before designing and making a simple game which uses static electricity.</p> <p>Mechanisms: Pneumatic Systems</p> <p>Pupils examine pneumatic systems using syringes and balloons then apply their understanding of mechanical systems to create their own pneumatic game.</p>	<p>Food: Eating Seasonally</p> <p>Pupils learn about seasonality and how the climate a food is grown in can alter the way it tastes and make a crumble and tart using seasonal ingredients.</p>	<p>Textiles: Cushions</p> <p>Pupils learn to sew cross stitch and appliqué and then apply this to the design and creation of a wall hanging to accompany the Bear Hunt story.</p>
PSHE	<p>Rules and responsibilities</p> <p>Economic Awareness</p>	<p>Similarities/Differences</p> <p>Healthy me</p>	<p>Keeping safe (bike ability/first aid)</p> <p>SRE</p>

CYCLE B

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science	Sound, looking at creation of sound through vibration and changes in pitch and volume. Light, looking at how light is reflected, how shadows are formed and can change.		Earth and space, looking at the movement of the sun, earth and moon. Plants, including parts of plants, needs of plants and their life cycle.		Living things and their habitats, including life cycles of a mammal, amphibian, insect and bird. Animals, including humans, focusing on changes from birth to old age.	
Geography	Volcanoes and earthquakes: focus on Japan and the Ring of Fire.				Rivers and the water cycle. Fieldwork at the River Lune.	
History	A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 A local history study - Caton war memorial project World War 2		Ancient Greece – a study of Greek life and achievements and their influence on the western world			
Computing	Control/algorithms: LOGO Modelling inc. spreadsheets		Scratch - animation Mars Rover: CAD		Word processing Using and applying skills	
RE How should we live our lives?	Hindu - what might a Hindu learn through celebrating Diwali? Christianity - How and why might Christians use the bible?		Christianity - Is sacrifice an important part of religious life? Sikhism - How do Sikhs express their beliefs and values?		Christianity - What does 'love your neighbour' really mean? All faiths - How does the moral code in each faith tell us how to live?	
PE	Football Swimming Netball		Hockey Gymnastics Tag rugby Dance		Rounders Outdoor adventurous activities / orienteering Athletics Cricket	
French	Ma famille (My family)		Quel temps fait-il? (What's the weather like?)		Jacques et les haricots magiques (Jack and the Beanstalk)	
Music	Singing as an ensemble - war songs Rock Music This unit presents an integrated approach to music where games, the dimensions of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked, as well as learning to sing, play, improvise and compose are linked to the genre.		Pop music This unit presents an integrated approach to music where games, the dimensions of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked, as well as learning to sing, play, improvise and compose are linked to the genre. Composition (bullying)		Music and life of a composer - Tchaikovsky - ballet (suggestion) Pupils listen and discuss the work of the composer using the skills they have learned in the units over the year. They will know the timeline of the key events in the composer's life. Summer Production	
Art and design	Formal Elements - texture and tone, printing		Photography - self -portrait photomontage, macro		Analysing art - every picture tells a story - David Hockney	

	Theme - shading	photography	
Design Technology	<p>Designing a Christmas Game - design, make, trial, evaluate.</p> <p>Textiles: Fastenings Pupils research different types of fabric fastenings before deciding which they want to use in their design for a book sleeve</p>	<p>Food: What Could Be Healthier? Pupils adapt a bolognese recipe by adding or altering ingredients and learn about the ethical and hygienic issues of food.</p> <p>Structures: Pavilions In an introduction to pavilion architecture, pupils experiment with frame structures before designing their own landscape and pavilion, using a wider range of materials and construction techniques</p>	<p>Mechanisms: Slingshot Rockets Pupils use kinetic energy to power slingshot cars, designing and making their own and then testing their effectiveness in time trials.</p>
PSHE	<p>Getting to know me - emotions/mental health</p> <p>Bullying - relationships</p>	<p>Rules and responsibilities</p> <p>Keeping safe - drugs/alcohol/rail/water</p>	<p>SRE</p> <p>Looking forward - communication</p>

CYCLE C

	Autumn	Spring	Summer
Science	<p>Electricity, including constructing a circuit and understanding conductors and insulators. Analysing the function of lamps, buzzers, cells and switches.</p> <p>States of matter, including grouping materials, changing state, evaporation and condensation.</p> <p>Properties and changes of materials, including dissolving, separating and reversible changes.</p>	<p>Plants, including parts of plants, needs of plants and their life cycle.</p>	<p>Forces and magnets, focusing on attraction and repulsion of magnets, magnetic materials and the two poles of a magnet.</p> <p>Forces, including gravity, air resistance, water resistance and friction.</p> <p>Evolution and inheritance, looking at fossils, reproduction and adaptation.</p> <p>Rocks, including comparing rocks, looking at fossils and understanding how soil is made.</p>
Geography		<p>Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)</p> <p>Describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts.</p> <p>Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.</p>	
History	<p>Changes in Britain from the Stone Age to the Iron Age.</p>		<p>The Roman Empire and its impact on Britain</p> <p>Visit to Hadrian's Wall and Vindolanda</p>
Computing	<p>Research</p> <p>Data handling and sensors</p>	<p>Email and blogs</p> <p>Scratch - quizzes</p>	<p>Web design/HTML</p> <p>Using and applying skills</p>
RE Year 5 Units	<p>Christianity - Why is it sometimes difficult to do the right thing?</p> <p>Islam - Why is the Qur'an so important to Muslims?</p>	<p>Christianity - Do people need laws to guide them?</p> <p>Christianity - What is meant by a miracle?</p>	<p>Judaism - How do people decide what to believe</p> <p>All faiths - What is your special text?</p>
PE	<p>Football</p> <p>Gymnastics</p> <p>Swimming</p> <p>Netball</p>	<p>Hockey</p> <p>Racquet sports</p> <p>Tag rugby</p> <p>Orienteering</p>	<p>Athletics</p> <p>Cricket</p> <p>Rounders</p> <p>Dance</p>
French	<p>Moi (Me)</p>	<p>Qu'est-ce que tu portes? (What are you wearing?)</p>	<p>La Chenille qui a tres faim (The Very Hungry Caterpillar)</p>

	Counting; months of the year; birthdays; describe physical features and personality traits. Quelle heure est-il? (What time is it?)		
Music	These units present an integrated approach to music where games, the dimensions of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked, as well as learning to sing, play, improvise and compose are linked to various genres through the ages.		
	History of music Benjamin Brittain	Reggae Build on Jazz	Motown Summer Production
Art and Design	Make my voice heard - modern art and graffiti	Food: Adapting a Recipe Pupils adapt a recipe by adding or altering the ingredients and then work in groups to create a final design that falls within a set budget and design brief.	Prehistoric art
Design Technology	Electrical Systems: Electric Greetings Cards Pupils explore electric circuits and apply this knowledge to design and make their own electric greetings cards	Textiles: Waistcoats After drawing a design in accordance with their own criteria, pupils learn how to measure, cut and assemble fabric to create a waistcoat	Mechanisms: Pop-Up Books Pupils use a range of mechanisms and construction techniques to create a pop up story book for younger children
PSHE	Healthy me - mental/physical Economic Awareness	Bullying - similarities/differences Keeping Safe - Bike ability/first aid.	SRE Moving on - rules and responsibilities.

CYCLE D

	Autumn	Spring	Summer
Science	<p>Sound, looking at creation of sound through vibration and changes in pitch and volume.</p> <p>Light, looking at how light is reflected, how shadows are formed and can change.</p>	<p>Living things and their habitats, including classifying living things and looking at changes to environments.</p> <p>Living things and their habitats, including classifying micro-organisms, plants and animals.</p>	<p>Earth and space, looking at the movement of the sun, earth and moon.</p> <p>Animals, including humans, focusing on eating: teeth, the digestive system and food chains.</p> <p>Animals, including humans, focusing mainly on diet and exercise.</p>
Geography		<p>Mountains - Focus on the Rockies, the Lake District and the Alps as contrasting locations.</p> <p>Impact of tourism on the Lake District and sustainability.</p>	
History	<p>The Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor.</p> <p>Halton Cross and Heysham hogback stone.</p> <p>Battle of Hastings and the Bayeux Tapestry</p> <p>What did the Anglo Saxons and Vikings leave behind?</p>	-	A non-European society that provides contrasts with British history – Mayan civilization c. AD 900
Computing	<p>Garageband</p> <p>Painting and drawing</p>	<p>Photography</p> <p>Control algorithms: LOGO</p>	<p>Scratch - game design</p> <p>Using and applying skills</p>
RE Year 6 units	<p>Christianity - How do Christians mark the turning points of the journey of life?</p> <p>Hinduism - there one journey or many?</p>	<p>Christianity - Why do Christians believe that Good Friday is good?</p> <p>Sikhism - What is a good life well lived?</p>	<p>Christianity - If life is like a journey - what is the destination?</p> <p>All faiths - What are your rites of passage?</p>
PE	<p>Football</p> <p>Gymnastics</p> <p>Swimming</p> <p>Netball</p>	<p>Hockey</p> <p>Racquet sports</p> <p>Tag rugby</p> <p>Orienteering</p>	<p>Athletics</p> <p>Cricket</p> <p>Rounders</p> <p>Dance</p>
French	Comment vas-tu en France? (How do you travel to France?)	Les sports et la sante (sport and health)	Le Gros Navet (The Enormous Turnip)
Music	These units present an integrated approach to music where games, the dimensions of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked, as well as learning to sing, play, improvise and compose are linked to the genre.		
	Disco	Hip hop	Music and life of a composer - Mozart - opera

	Gospel Music	Music of Carole King	Summer production
Art and Design	Formal elements - architecture	Art & Design Skills - Design, drawing, craft, painting and art appreciation Theme - Zentangle patterns	Every picture tells a story Theme - modern art.
Design Technology	Mechanisms: Automata Toys Pupils develop their woodworking skills and explore cams to design and make mechanical window displays.	Textiles: Stuffed Toys Pupils learn blanket stitch and then design and make 3D stuffed toys	Food: Come Dine With Me Working in groups, children research and prepare a three course meal that will be taste tested and scored as well as researching the journey of their main ingredient ,from 'farm to fork' (chocolate)
PSHE	Getting to know me Economic awareness	Bullying - relationships Keeping safe - drugs/alcohol/rail/water	SRE Moving on - communication/negotiation