

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science	<p>Electricity</p> <p>Sort common electrical appliances into battery and mains powered. Construct simple series circuits containing a variety of components and understand the difference between complete and incomplete circuits. Identify whether or not a bulb will light in a simple series circuit and put forward ideas to fix incomplete circuits. Investigate which materials make good insulators and design, construct and test their own switches.</p>	<p>States of matter</p> <p>Compare and group materials according to whether they are solids, liquids or gases. Learn that some materials change state when they are heated or cooled and be able to identify and name these processes as melting, freezing, evaporating or condensing. Look at the water cycle and be able to identify the part played by evaporation and condensation in the water cycle</p>	<p>Sound</p> <p>Learn how vibrations cause sounds and how sounds travel through different mediums at different speeds. Explore how sounds can change in pitch and loudness. Learn what happens to sound vibrations when they reach the ear.</p>	<p>Animals inc humans</p> <p>Learn the importance of the digestive system and name each part and it's function. Identify the different types of teeth in humans and their purpose. The children will plan and conduct an investigation to answer the question: which drink causes the most tooth decay? Construct and interpret variety of food chains, identifying producers, predators and prey.</p>	<p>Living things and their habitats</p> <p>Recognise the seven life processes common to all living things. Sort living things using a variety of criteria. Conduct a local habitat search and learn to identify unknown living things using a classification key. Consider how environmental change impacts the environment and suggest ways in which humans can prevent further damage.</p>	Catch up/ enrichment
History	<p>Ancient Greeks (A study of Greek life and achievements and their influence on the world) What were the greatest achievements of the Ancient Greeks? Society and Community Civilization, trade, settlement, empire, monarchy</p>		<p>The Romans (The Roman Empire and its impact on Britain) How did the Roman Empire impact Britain? Exploration and Invasion Power civilisation, trade, settlement, empire, monarchy</p>			
Geography		<p>Countries of the world Concepts: Place, Space, Scale, Human processes, Physical processes, Cultural awareness, Cultural diversity, Look at countries around the world. Key geographical features of each continent Major capital cities of the world, human and physical features of a country. Compare England to a non European country if the world.</p>			<p>Volcanoes Concepts: Place, Space, Scale, Human processes, Physical processes, Environmental Impact, Sustainable development, Interdependence Name and locate famous volcanoes, and the ring of fire. Find out about plate tectonics and what happens when a volcano erupts. The impact on animals, people and plants. Why do people live near volcanoes?. Case study- Hawaii- compare to England</p>	<p>All around the world Concepts: Place, Space, Scale Look at the significance of the Equator and northern and Southern Hemispheres. Look at lines of longitude and latitude. The Tropic of Cancer and Capricorn,, Primer Meridian and time zones</p>

DT		<p>Seasonal Stockings Textiles</p> <p>The children will explore and use running stitch, overstitch and zig zag stitch. They will embroider shapes and patterns and use applique to add decoration. They will design, make and evaluate their own seasonal stocking.</p>		<p>Seasonal food Food & Nutrition</p> <p>The children will practise cooking skills such as slicing, dicing, beating, whisking, folding, sieving, rolling and grating to follow different recipes. They will find out about seasonal foods and use this knowledge to design, make and evaluate a healthy meal.</p>		<p>Mini Greenhouses Structures</p> <p>Children will find out the purpose of a greenhouse and how it works, before moving on to exploring how structures like these can be made stable, and what materials would be the most appropriate to use. Children then apply this knowledge and understanding when designing, making and evaluating their very own mini greenhouse.</p>
Art	<p>Story Telling Through Drawing Drawing & Sketchbooks</p> <p>Explore how artists create sequenced drawings to share and tell stories. Create accordion books or comic strips to retell poetry or prose through drawing.</p>		<p>Exploring Still Life Surface and colour</p> <p>Explore artists working with the genre of still life, contemporary and more traditional. Create your own still life inspired art work.</p>		<p>The Art of Display Working in Three Dimensions</p> <p>Explore how the way we display our work can affect the way it is seen</p>	
Computing	<p>Digital citizenship- Online safety</p> <p>Discuss Digital footprint and online vs real life identity Respect others while online and be aware of how online behaviour and content can impact on others Know that anyone can search online profiles for information Focus on Online bullying and how it may affect others Discuss positives and negatives to using technology</p>	<p>Digital literacy</p> <p>Typing Continue to develop word processing skills Introduction to spreadsheets and graphing Representing data Animation</p>	<p>Computer science Focus: Repeat / Loop - Parts of the program that are to be repeated</p> <p>Consolidation of algorithms, program and sequences To know the difference between an algorithm and a program Plan an algorithm and then create the sequence Predict the outcome of a sequence Debug a sequence Transfer skills between different software</p>	<p>Computer science Focus: Repeat / Loop - Parts of the program that are to be repeated</p> <p>Introduction to repeat / loop Plan a program using a repeat command Create a program using a repeat command Predict the outcome of repeat and the implications of reordering the repeat Debug coding when the outcome is not as expected Transfer skills between different software</p>	<p>Information technology</p> <p>Logging in Typing skills Research Hedy Lemarr & Radia Perlman, how did they develop technology? Search engines, safe searching and copyright Find, save and import images and information from the internet How searching works and how to evaluate a website - 5 W's</p>	<p>Consolidation project for Digital Literacy</p> <p>Possible Project ideas: Literacy - animation linked to pioneer Science - animation linked to living things and habitats History - animation linked to History topic</p>
Music		<p>Rivers (Changes in pitch, tempo and dynamics)</p> <p>Learning to listen to changes in pitch, tempo and dynamics and relate it to something tangible and familiar.</p>		<p>Romans (Adapting and transposing motifs)</p> <p>Use understanding of repeating patterns in music look at the concept of motifs.</p>		<p>Rainforests (Body and tuned percussion)</p> <p>Explore the rainforest through music and be introduced to new musical terms.</p>

PE	<p>Outdoor and adventurous activities OAA</p>	<p>Ancient Egypt- shape and balance Gymnastics</p>	<p>Romans Dance</p>	<p>Hockey Games</p>	<p>Striking and fielding- Cricket Games</p>	<p>Athletics Athletics</p>
PSHCE	<p>Being me in my world How their attitudes and actions make a difference to the class team. School community Democracy- school council- how it benefits our school What resources the environment provides for us. Sustainability of environmental resources.</p>	<p>Celebrating difference Making assumptions about people by their appearance Influences on their assumptions How bullying is hard to spot and know what to do if they think it is going on. How witnesses sometimes join in with bullying and don't tell (problem solve bullying situation). How they are unique ad special Reflect on a time where their impression of someone changed when they got to know them.</p>	<p>Living in the wider world Their hopes and dreams. And that they don't always come true. Reflecting on positive experiences can help disappointment Setting new plans after disappointment Advertisement and companies persuasion to buy things. Items that are better value for money. Being enterprising- how can they make money?</p>	<p>Healthy me Different Friendship groups and how they fit into them. Leaders in a group Drugs- common in everyday life -(medicines, caffeine, alcohol, tobacco). The affect of smoking on health and reasons some people start. Understand the effects of alcohol on health and the liver and some reasons people drink. Recognise when they are being put under pressure by people and know ways to resist this. Have a clear picture of what they think is right and wrong</p>	<p>Relationships Jealousy in relationships Who they love and can express why they are special to them. Privacy and keeping things private. Changes in friendships, Fallouts and new Friends How to recognise relationships - e.g. marriage/anniversaries/ Mother's day. Show appreciation for the people they love..</p>	<p>Changing me Characteristics from parents due to joining of sperm and egg. Correctly label internal and external male and female body parts (babies) How a girl's body changes in order for her to be able to have babies (periods) Circle of change Changes that have happened/will happen to them outside of their control Identify what they are looking forward to next year 5.</p>
RE	<p>Can religious teachings help us decide the best way to live? Caring for each other and the world</p>	<p>How is Christmas celebrated in other cultures? Special times/festivals</p>	<p>What do creation stories teach us about caring for the world? Caring for each other and the world</p>	<p>Why is pilgrimage important to some religious believers? Religious and secular beliefs</p>	<p>How and why do people pray? Worship/places of worship</p>	<p>How are faith communities represented in Wigan? Belonging</p>
French	<p>Portraits Learning adjectives for describing people's physical appearance and their personality. Creating simple sentences.</p>		<p>Clothes Learning vocabulary to describe items of clothing, along with the different forms of the indefinite article. Incorporating previous learning about colour into their descriptions of clothing. Numbers, calendars and birthdays Learn French numbers 1-31, the days of the week and months of the year.</p>		<p>French food French Food, cafés, ordering and menus -' introduces Food vocabulary</p>	

