

	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>	<p>Catch up/ enrichment</p>
History	<p>Trade in Wigan - Local History Study (Significant historical events/ people/ places in own locality)</p> <p>How has trade in Wigan changed throughout time?</p> <p>Society and Community Civilization, trade, settlement, industry</p>		<p>Ancient Greece (A study of Greek life and achievements and their influence on the world)</p> <p>What were the greatest achievements of the Ancient Greeks?</p> <p>Society and Community Civilization, trade, settlement, empire, monarchy</p>		<p>The Romans (The Roman Empire and its impact on Britain)</p> <p>How did the Roman Empire impact Britain?</p> <p>Exploration and Invasion, Power</p> <p>Civilisation, trade, settlement, empire, monarchy</p>	
Geography		<p>Countries of the world</p> <p>Concepts: Place, Space, Scale, Human processes, Physical processes, Cultural awareness, Cultural diversity,</p> <p>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</p> <p>Concepts: Place, Space, Scale, Human processes, Physical processes, Environmental impact, Sustainable development, Interdependence</p>		<p>All around the world</p> <p>Concepts: Place, Space, Scale</p> <p>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>

				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		
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>Computing systems and networks The Internet</p>	<p>Creating media Audio production</p>	<p>Programming A Repetition in shapes</p>	<p>Data and information Data logging</p>	<p>Creating media Photo editing</p>	<p>Programming B Repetition in games</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>

<p>PSHCE</p>	<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>
<p>RE</p>	<p>Hindu Dharma What might a Hindu learn through celebrating Diwali? •Vishnu •Rama and Sita •Diwali</p>	<p>Christianity (God) How and why might Christians use the Bible? •The Bible •Christian life - guided by wisdom, teachings and authority</p>	<p>Sikhism How do Sikhs express their beliefs and values? •The 5 Ks •Equality •The Gurdwara</p>	<p>Christianity (Jesus) Is sacrifice an important part of religious life? •Jesus in the wilderness •Lent •Sacrifice</p>	<p>Islam Why do Muslims fast during Ramadan? •The Five Pillars of Islam •Ramadan</p>	<p>Christianity (Church) What does 'love your neighbour' really mean? •Principles •Love for all</p>
<p>French</p>	<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>	

