

Year 5

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| Topic | The Victorians | Heroes and Villains of British history | | | The Greeks | Politics |
| Science | In this topic, children will describe the movement of the Earth, and other planets, relative to the Sun in the solar system. They will also describe the movement of the Moon relative to the Earth. They will use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky. | In this topic, the children will be taught about the changes that occur in humans throughout their lifetime. | In this topic, the children will learn about the differences in the life cycles of a mammal, an amphibian, an insect and a bird. They will also describe the life process of reproduction in some plants and animals. | In this topic, the children will compare and group together everyday materials on the basis of their properties. They will learn about reversible and irreversible changes and that some materials will dissolve in water to form a solution. They will use knowledge of solids, liquids and gases to decide how mixtures might be separated. | In this topic, the children will learn that unsupported objects fall towards the Earth because of the force of gravity. They will learn about friction, air and water resistance. They will recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. | In the summer term the children will focus on the skills of working scientifically. They will plan different types of enquiry to answer their own questions. They take measurements and record data in different ways. They will then report and present their findings. |
| History | In this topic, of work the children will look at the reign of Queen Victoria and the significant events that occurred within this time period. The children will learn that this period of history is called Modern History and understand this is relation to other periods of history studied. They will learn about the life of the poor in Victorian Britain including life in the workhouses. They will also learn about the industrial revolution and the impact this had on the country. | In this topic, the children will focus on significant individuals from British History and will build an understanding of British History post 1066. The children will learn about the Tudor monarchs including Henry VIII and Elizabeth I as well as the life of William Shakespeare. The children will then learn about the works of Lord Shaftesbury and relate this to their previous work on the Victorians. | | | In this topic, of work the children will learn about the Ancient Greek Civilisation and will compare this to other ancient civilizations studied. The children will learn about the how the Ancient Greeks were ruled and their beliefs. They will focus heavily on how the Ancient Greeks changed the world through their development of democracy, sport and learning. | In this topic, of work the children will build upon the knowledge gained in their previous topic about the development of democracy. They will learn about the Suffragettes and the fight for women to have the vote. They will relate this to their previous work on heroes of British history. |
| Geography | | | In this topic, the children will learn all about water as a natural resource. They will understand the water cycle and consider environmental issues such as the conservation of water. They will also consider who manages water and who owns it. They will look at the worlds access to clean water and begin to understand that some people have access to this and others don't. | In this topic, the children will be taught about the concept of world trade. They will understand how products are transported around the world through imports and exports and investigate fair trade and air miles. They will understand how trade affects different people and look at similarities and differences between major corporations. | | |

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| | | | They will look at ways that this can be rectified. | | | |
| ICT | In this topic, the children will learn to manipulate data. They will use the programs Microsoft Access and Microsoft PowerPoint to design a set of Top Trump cards related to their topic. They will be creating tables and adjust their properties as well as create drop down menus and navigation buttons. | In this topic the children will create a navigable PowerPoint related to their current topic. They will create engaging informative slides, embedded sounds and videos, manipulate images and text for various effects and place hyperlinks for navigation. | In this topic, the children will develop their programming skills using Scratch. They will code using variables, broadcasts, operators, conditions, clones, control and senses. | In this topic, the children will develop their programming skills further. They will code a series of retro, levelled games and design their game cover using more complex features of Microsoft Word. | In this topic, the children will develop their programming skills further using Spheros. They will aim, drive and block code for speed, distance and times. | In this topic, the children will learn more about online safety. They will learn about the legal age to be involved in social media, how to stay safe online and what action to take in particular situations. They will then use the features of Publisher to create an information leaflet about the dangers of social media. |
| DT | In this topic, the children will design and build a moving model to represent the Sun, Earth and Moon and their orbits. They will learn about drive belts and use this in their designs. | In this topic, the children will create their own vegetable pasta dish. The children will learn to use a peeler and a knife to dice vegetables safely. They will apply their knowledge of a balanced diet to generate their ideas for the dish. | | In this topic, the children build upon their knowledge of irreversible reactions to build their own propelled rockets using pneumatics. | In this topic, the children will design and build a marble run. They will use hand tools accurately. They will design and build structures. They will measure both length and angles accurately. | |
| PE | Baseline assessment Invasion Games | Athletics Invasion games | Gymnastics Invasion games Swimming | Gymnastics Invasion games Swimming | Net and wall games Striking and fielding | Athletics Net and wall games |
| Art | In this topic, of work the children will investigate the work of William Morris and his use of repeating patterns. They will create an accurate and detailed design plate by sketching shapes to create and build texture. They will then evaluate their designs. | | | In this topic, the children will look at arts ability to trigger emotions. They will look at various examples of silhouettes. They will look at how to use pastels and blend them effectively as well as using charcoal. | In this topic, the children will look at the mosaics created by the Ancient Greeks. They will experiment with shape and patterns and cut materials to create their own mosaics. | |
| Music | | In this topic, the children will prepare for their Christmas performance. They will learn to perform songs in various different styles. | | In this topic, the children will learn about Hip Hop music. They will learn about tempo, dynamics and texture. They will learn to rap in unison and compose a simple melody using simple rhythms. Charranga: Fresh Prince Of Bel Air | | |
| RE | In this topic, the children will discuss how we can care for our world. They will look at some interesting | In this topic, the children will explore a variety of festivals to include | In this topic, the children will discuss how people believe the world | In this topic, the children will consider who the key figures are in the Jewish | In this topic, the children will consider the rules that they have to follow. They will | In this topic, the children will consider what characteristics authority figures have. They will |

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| | issues from the press that could be debated. They will learn about the Jains basic belief in Ahimsa. | Hanukah, Christmas, Diwali, Advent and Eid. They will focus on the importance of light in all of these celebrations. | started. They will learn about how people of the Jewish faith celebrate creation. | Religion. They will find out what happened to Jesus over the course of holy week and what happened to him during the last hours of his life. They will look at the Jewish festival of Passover and see what it has in common with Easter. | evaluate how religious codes of conduct effect lives. In particular they will focus on the Jewish rules of living that effect everyday Jewish life. | look at the sort of person a religious leader is. They will also look at important Jewish and Christian groups in their area. |
| PSHE | In this topic, of work the children will learn about health and wellbeing. They will learn to set goals and have aspirations. The children will learn what can positively and negatively affect health and wellbeing. They will learn to deal with periods of transition; bereavement and grief and manage intense and complex feelings. | In this topic, of work the children will learn about health and wellbeing with a focus on strategies for managing their own personal safety including sharing images and mobile phone safety. | In this topic, of work the children will learn about relationships and responding to the feelings of others. They will listen to the concerns of others and raise their own concerns. | In this topic, the children will learn that actions have consequences. They will learn about negotiations and compromise and to work collaboratively with others. | In this topic, the children will consider living in the wider world. They will learn about the responsibilities they hold in their homes, at school and their communities. They will continue to build upon their work in previous years on the management of money and becoming financially literate. They will begin to understand the concept of tax and vat and how these contribute to resources in society. | In this topic, the children will consider living in the wider world. They will look at the role of government and learn how laws and rules are made, enforced and their purpose. They will learn how to get their voice heard and how they can take part in making rules. They will learn about anti-social behaviour, the impact it has and how to deal with this. They will work alongside their local councillor to understand the political process. |
| Spanish | In this topic, the children will learn about the subjects we learn at school. They will be taught to say what they like and dislike. | In this topic, the children will learn about the places within the city. They will be able to give simple directions. | In this topic, the children will learn about the fruits and vegetables we get in the market. | In this topic, of work the children will learn to describe what they are wearing in terms of colour and size. | In this topic, the children will learn how to give their personal information. | In this topic, the children will learn about the seaside. The children will learn about the games we play, the food we eat and the clothes we wear when we go to the beach. |
| Events/ visits | Black country museum | | | | | Visit from local councillor |