

Class 7 Curriculum Map

Mrs Cartwright

Term	Autumn 1	Autumn 2	Spring1	Spring 2	Summer 1	Summer 2
English	Biography/autobiography Recounts Image Poetry Narrative reading and writing.	Persuasive and discussion writing Instructions. Narrative reading and writing.	Narrative reading and writing. Persuasive and Discussion writing. Biography/autobiography Imagery poetry-reading and writing	Narrative reading and writing. Persuasive and Discussion writing. Biography/autobiography Imagery poetry-reading and writing	Classic/narrative poems, Revision of all writing covered. Reading Revision	Classic/narrative poems, Revision of all writing covered. Reading Revision
Maths	Number and Place Value Addition and Subtraction	Fractions Geometry: Position and Direction	Decimals Percentages Algebra	Converting Units Measurement: Perimeter, area and volume Number: Ratio	Geometry: Properties of shapes Problem Solving Statistics	Investigations
Science	<p>Changing Circuits</p> <p>To recap what electricity is and investigate static electricity. To recap our knowledge and understanding of circuits focusing more on their understanding of circuits, including parallel circuits. To recognise and use conventional symbols for circuits. Investigate ways in which the brightness of a bulb or speed of a motor is changed . To be able to plan, carry out and evaluate and experiment to see how changing the wire in a circuit affects the brightness of a bulb.</p> <p>To then create a simple device using a circuit.</p>	<p>Seeing Light</p> <p>Revisit their knowledge about how shadows are formed and the objects which create them. We will then focus specifically on the shapes of the shadows and why shadows are the shape of the object which creates them. Investigate how we can change and manipulate shadows 'shape, length, intensity and in particular, size.' Take a closer look at the anatomy of our eyes and how the different parts allow us to see. Look at how all objects reflect and absorb different amounts of light. Discovering that it is these reflections that allow us to see objects. Learn about the law of reflection and use their knowledge and understanding of identifying and measuring angles to predict reflected light rays. Learn about how refraction can bend and change the direction of light rays. Investigate how white light can be split into the seven colours of the rainbow.</p>	<p>Classifying Organisms</p> <p>Children will learn about some of the broad groups used to classify animals, then identify, sort or describe organisms within those groups according to some of their characteristics. Consider ways in which animals which belong to the same broad group can be distinguished and further classified. Learn some ways in which plants are classified by botanists, then take photos, collect samples, or research, then classify plants. Learn about the development of Linnaeus' classification system, then use it to help identify, classify and answer questions about a number of different organisms. Look at some ways which micro-organisms are classified, and what they need to survive.</p>	<p>Healthy Bodies</p> <p>Lear about historical health problems caused by poor diet, and how the work of scientists such as James Lind helped develop a better understanding of how diet affects health. Learn about food groups: what they provide our bodies with, and what quantities of each we need for a balanced diet. Learn about the functions of the heart, lungs and circulatory system. Look at what happens to the heart when we exercise, then conduct a practical investigation where heart rate is measured. Learn about how muscles work, and how they work in groups to move the skeleton. They will then explore in great depth how blood flow increases to different muscle groups during different types of exercise. Learn about what drugs are, how some are helpful and some are harmful. Considering ways in which drugs can have side effects.</p>	<p>Evolution and Inheritance</p> <p>Learn about traits that are passed from one generation by the next, and consider ways in which some inherited characteristics may vary. Look at how random mutations may or may not be passed from one generation the next, and how this process results in variation some inherited characteristics may vary. Learn about how, if traits are advantageous to a species, they may be passed on and that evolution can occur. Investigate how the contributions of Ancient Greek scientists to our understanding of evolution happened. Learn about mutations and how external factors can affect the evolution of a species. Learn about human adaptations which allow us to thrive, then consider some impacts of human behaviour on other species.</p>	<p>Viking Science</p> <p>Find out about foods produced by Vikings and consider how and why they processed milk to produce other foods. Learn how micro-organisms are important in the production of fermented foods, going on to find out more about what micro-organisms are, where they are found, how they are classified and how they may be helpful or harmful. Consider ways in which adhesives are used all around us, then learn about how Vikings made glue. Make simple oil lamps, then consider what scientific questions can be asked about them. Learn about Viking uses of absorbent materials, then examine, identify and learn about the materials used in modern, disposable nappies. Consider the forces acting on a boat in a variety of conditions, then devise and conduct scientific enquiries</p>
R.E	Loving	Vocation and Commitment Judaism - Expectations	Sources Unity	Death and New Life	Witness Healing	Islam Common Good

<p>Geography</p>	<p>Investigating Rivers Explore what the water cycle is and why it is important. Learn to describe each process of the water cycle using appropriate vocabulary. Look at how rivers are formed by explaining the process of erosion and deposition. Find out about the journey of a river from source to mouth, and learn about the features of rivers, including deltas, tributaries and meanders. Find out about some of the human uses for rivers under the headings of water, transport, habitat, energy, farming and leisure. Explore some of the causes of river pollution and the effects this has on the environment. Find out about some of the most polluted rivers in the world, as well as thinking about river pollution closer to home. Generate a main question as the focus for a geographical enquiry. Choose their own focus for an enquiry and use a variety of sources of information to carry out research.</p>	<p>South America Identify South America as a continent and start to identify some of its features. Identify the twelve countries and two territories that comprise South America and locate them on a map. Use climate zone maps to explore climate zones around the world before taking a closer look at the various climate zones in South America. Learn about different climates, such as temperate, arid and subtropical, and describe the features of these climates. Identify the Andes of South America as the largest mountain range in the world. Locate the Andes on a map and discover how the Andes were formed. Recap the difference between human and physical geography before generating questions they could ask about the human geography of South America. Consider the concept of world trade and recognise some of the products we use that may come from South America. Identify some of the biggest exports of South America. Choose one country as a focus study, using what they already know and carrying out their own research and present information to class.</p>	<p>Exploring Brazil Locate which continent Brazil is in, and find out how many countries it shares a boarder with. Look at the different regions of Brazil, and begin to understand the differences between them. Read and give six-figure grid references using a map of Brazil. Lear the definition of physical geography and explore three different natural landscapes of Brazil in more detail: The Amazon Basin, the Pantanal, and the Brazilian Highlands. Find out about the Amazon rainforest, including what and who lives there, and how important this ecosystem is. Look at a major threat to the Amazon rainforest- deforestation- and discuss the reasons for, and effects of, this. Find out what is meant by the term 'urbanisation', and look at reasons for why this is happening in Brazil. Identify push and pull factors for moving from a rural area to an urban area. Explore one of the effects of urbanisation on the city of Rio de Janerio: overcrowding. Look at two very different neighbourhoods in Brazil: a wealthy area and a deprived area. Think about Brazil as a tourist destination, and will be encouraged to discuss what would attract tourist to a particular place. Discuss the definition of culture, and talk about what the culture of Brazil might be like, based on what they already know.</p>	<p>United Kingdom Recap and learn some key facts about the UK. Locate the UK on a world map and identify the four countries and capital cities. Find out information about aspects such as area, life expectancy and population. Learn what a county is and find out how the counties of England can be split into regions. Learn the difference between a town and a city before going on to locate some of the UK's major cities on a map. Learn the difference between a town and a city before going on to locate some of the UK's major cities on a map. Start to understand the difference between a hill and a mountain and are given a brief explanation of how mountains are formed. Explore some of the hills and mountains of the UK and identify their features and key facts. Find out about the coastline of Britain and identify the seas and oceans that surround the UK. Use photos to identify similarities and differences between different UK beaches. Identify some of the major rivers in Britain and explore their journeys, thinking about where they are located, which countries and cities they flow through and other key facts about each one.</p>	<p>Our Local Area Focusing on the human geography of economics. Looking at the information about the UK's 2019 imports and exports as well as natural resources found in England. Looking at the human geography of land use and settlements. Focusing on the physical geography of climate zones, looking at the average temperature and rainfall in the location of the school. Looking at the physical geography of rivers and looking closely at the rivers located nearest to the school. Identification of upland area in the local area.</p>	<p>Water World Identify different water bodies and the differences between them, such as oceans, rivers, bays, gulfs and glaciers. Find out how much water on the planet is usable by humans and that water is either salt or fresh water. Recap how the water cycle and its various processes work. Consider all the ways in which households in the UK use water. Think about how much water they use on a daily basis, and find out how it gets to their taps through the water treatment process. Start to consider the importance of water conservation. Find out about water-scarce countries, using Kenya and the UK, and start to understand how limited access to water affects lives. Start to understand the idea of a sustainable future and look at the role water can play in this. Find out about hydroelectricity and how water can be harnessed to produce power.</p>
<p>History</p>	<p>World War II Learn when and why World War II began and find out about the key individuals and countries involved. Discover all about evacuation; learn what it was like to live with</p>	<p>Rebuilding Britain Learn about Britain's involvement in WWII and how it ended. Consider in greater depth how Britain and its people were affected by the war and learn</p>	<p>Medicine and Disease Investigate the medical practices of prehistoric civilisations and comparing them to the practices and beliefs of the Ancient Egyptians. Look at the use of</p>	<p>How Britain has changed since 1948 Consider what life was like in 1948 and some of the main changes that have occurred since, identifying key events and</p>	<p>Local Study Study of Murton looking at pre-mining, mining and post mining in the village. Look at people of the village and the notable facts</p>	<p>75yrs of NHS Whole school topic giving each class an enquiry question to focus on while covering different historical skills.</p>

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	<p>food rationing and explore the contribution made by women to the war effort. Learn important facts about the Holocaust and investigate events that were key turning points in the war, such as the Battle of Britain and the German invasion of the USSR. Develop investigation and evaluation skills; organise information chronologically and understand how past events have helped to shape the world we know today.</p>	<p>about initial rebuilding efforts in bomb-damaged cities. Look at why, given the circumstances, post-war voters wanted significant changes in Britain, such as nationalisation and the creation of the Welfare State. Learn about the creation of the NHS and its impact on British life as well as expressing their own views and experiences of it. Learn about what the British Empire was, and how the people of her colonies were involved in the war. Explore when and why almost all of the colonies sought and won independence in the post-war years. Consider why there was a need for immigration into Britain in the post-war years, as well as the experiences of the first Caribbean people arriving in Britain to live and work. Find out about the reasons why it was decided to build new towns, then consider the point of view of the post-war town planners by designing their own new town.</p>	<p>historical sources and how a historian could use primary and secondary sources to find out how a prehistoric man might have treated a headache. Look at Greek physicians such as Hippocrates and Galen and how they influenced medicine and the theory of diseases. Look at the rise of the Roman Empire and reflect on the Roman views of keeping fit and healthy, comparing them to more modern views and to civilisations previously studied. Discover the epidemic of the Black Plague and how it was believed to have spread across the country and the different ways people attempted to cure themselves of this fatal disease. Discover the folk cures used during the Tudor period. Investigate and research some of the 19th century figures who changed medical treatments and practices forever. Compare the ideas from the beginning of the Victorian period to the end. Compare medicine today with the ideas and practices from topic covered. Learn how the hospitals and treatments that they know today came to be and explore the important discoveries of the past 100 years. Record the journey of medicine through time and how it has changed and developed.</p>	<p>characteristics of each decade. Find out what the difference between primary and secondary source is. Consider the advantages of studying a modern period that has a wide range of sources, such as photos and videos, before identifying a range of different historical sources. Use clues to see if they can identify some key events of the 1950s. Find out what life was like in Britain at this time, focusing on home life, work life, technology, population and popular culture. Find out about key events and characteristics of the 1960s, identifying why it became known as the 'swinging sixties'. Explore a popular culture during this decade, as well as looking at how life at home, at work and in the wider community was changing. Explore key events and changes of the 1970s, focusing particularly on the economic difficulties. Explore the cause and effect of the 'winter of discontent', as well as finding out about some of the more positive events and changes of the decade. Find out who Margaret Thatcher was and explore key features of her time as Prime Minister.</p>	<p>through history focusing on home life, work life and village life.</p>	
Music	Singing with Durham County Singing Teacher.	Singing with Durham County Singing Teacher.	Singing with Durham County Singing Teacher.	Singing with Durham County Singing Teacher.	Singing with Durham County Singing Teacher.	Singing with Durham County Singing Teacher.
P.E	Swimming Tag Rugby	Swimming Dance: movement.	Swimming Gymnastics: movement.	Games: invasion games	Basket Ball	Athletics: running, jumping and skipping
Art/D.T	Henry Moore Drawing/Sculpture Fairgrounds	David Hockney Printing/Photography	Beatriz Milhazes Collage/Digital Art Birdhouses	Banksy Street Art	Da Vinci Painting/Drawing	India Flint Textiles/Batik



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ICT	Know Your Network	Scratch	Kodu Programming	Spreadsheets	Using and Applying Skills	Programming and Control