

Project Title : Welcome to the Wild, Wild West - [2015 - Summer - Year 5 - 5/6]

Subject	Theme	Objective	Vocabulary	Resources
Art	Design - art techniques	To be able to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay].		
Art	Technical - sketch books	To be able to create sketch books to record their observations and use them to review and revisit ideas.		
Computing	Computing - algorithms (Theme)	To be able to use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.		Lego and Makey Makey
Computing	Computing - programs (Theme)	To be able to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.	design, write, debug, sequence,	Lego and Makey Makey
Computing	Computing - safety (Theme)	To be able to use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.		Lego and Makey Makey
Cooking and Nutrition	Cooking (Theme)	To be able to prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.		
Cooking and Nutrition	Food and Ingredients (Theme)	To understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.		
Cooking and Nutrition	Nutrition and healthy diet (Theme)	To understand and apply the principles of a healthy and varied diet.	savoury, reared, caught, processed	
DT	Design - communicate a design	To be able to generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.		
DT	Design - research and develop a design	To be able to use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.	innovative, functional, appealing, fit for purpose, generate, develop, model, communicate, annotated, cross-sectional, prototypes, computer-aided, functional, aesthetic qualities, evaluate, strengthen, stiffen, reinforce, gears, pulleys, cams, levers, linkages, control	
DT	DT and the world	To understand how key events and individuals in design and technology have helped shape the world.		
DT	Evaluate - existing products	To be able to evaluate and investigate and analyse a range of existing products.		
DT	Evaluate - own design	To be able to evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.		
DT	Technical - electrical systems	To understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors].		
DT	Technical - structures	To understand and demonstrate how to strengthen, stiffen and reinforce more complex structures.		
Geography	Compass, grid reference, keys and symbols	To be able to use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey).	symbol, key, grid reference, compass	Globes Atlases and World Maps
Geography	Maps - world	To be able to 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.	Europe, America, Map, Country, Continent	Globes Atlases and World Maps
Geography	Maps key features	To be able to 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).	latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones	Globes Atlases and World Maps
Geography	Maps, atlas and globe	To be able to use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.		Globes Atlases and World Maps
History	Non-European study	To understand a non-European society that provides contrasts with British history e.g. early Islamic civilization, including a study of Baghdad c. AD 900; Mayan civilization c. AD 900; Benin (West Africa) c. AD 900-1300.	empire, civilisation, parliament, peasantry, local, regional, national, cultural, military, economic, religious, social,	

Music	Music - Improvise and compose (Theme)	To be able to improvise and compose music for a range of purposes using the inter-related dimensions of music.		
Music	Music - Listen (Theme)	To be able to listen with attention to detail and recall sounds with increasing aural memory.		
Music	Music - notation (Theme)	To understand and use staff and other musical notations.		
Music	Music - play and perform (Theme)	To be able to play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.	perform, listen, review, evaluate, genre, style, composer, pitch, duration, dynamics, tempo, timbre, texture, structure, notations, chants, rhymes, tuned, untuned,	
Music	Music appreciation (Theme)	To understand and appreciate a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.		
Music	Music history (Theme)	To understand the history of music.		
PE	Athletics and gymnastics	To be able to develop flexibility, strength, technique, control and balance [for example, through athletics and gymnastics].	balance, co-ordination, agility, in-isolation, in combination, flexibility, strength, technique, control, balance, compare, improve, perform	
PE	Competitive games	To be able to play competitive games, modified where appropriate [for example, badminton, basketball, cricket, football, hockey, netball, rounders and tennis], and apply basic principles suitable for attacking and defending.		
PE	Improve personal best	To be able to compare their performances with previous ones and demonstrate improvement to achieve their personal best.		
PE	Running, jumping and throwing	To be able to use running, jumping, throwing and catching in isolation and in combination.	develop, tactics, attacking, defending, competitive,	
RE	Sum 1 Islam	To understand the 5 pillars of Islam and their meaning		Qur'an x 2, head coverings x 3, prayer beads
RE	Sum 1 Islam	To understand what Muslims believe in		Qur'an x 2, head coverings x 3, prayer beads
RE	Sum 2 Big Questions	To understand if is necessary to believe in a God to be human		
RE	Sum 2 Big Questions	To understand how we know right from wrong		
RE	Sum 2 Big Questions	To understand what it means to be a person of faith in the 2020s		
Science	Dissolving	To know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.		pipettes, magnifying glasses
Science	Electricity	To be able to associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.	appliance, simple series, circuit, cells, battery, wires, bulbs, switches, buzzers, lamp, complete circuit, loop, conductors, insulators, metal, rubber, current, voltage, components, symbols, parallel circuit,	Electrical Components Boxes
Science	Electricity	To be able to compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.	appliance, simple series, circuit, cells, battery, wires, bulbs, switches, buzzers, lamp, complete circuit, loop, conductors, insulators, metal, rubber, current, voltage, components, symbols, parallel circuit,	Electrical Components Boxes
Science	Electricity	To be able to use recognised symbols when representing a simple circuit in a diagram.	appliance, simple series, circuit, cells, battery, wires, bulbs, switches, buzzers, lamp, complete circuit, loop, conductors, insulators, metal, rubber, current, voltage, components, symbols, parallel circuit,	Electrical Components Boxes
Science	Irreversible changes	To be able to explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including.		pipettes, magnifying glasses
Science	Reversible changes	To be able to demonstrate that dissolving, mixing and changes of state are reversible changes.		pipettes, magnifying glasses
Science	Separation	To be able to use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.		pipettes, magnifying glasses

Notes : Our Project is 'The Wild, Wild West', and is a study of the North American continent. Our Big Question is, 'What was life like in those times, and what was the Gold Rush, and who went on it.' We will start the term off with a study of North America and the 15 countries and 550 million people it is made up from. We start the term looking more closely at Mexico and our Superb Starter will be a look at the 'Day of the Dead' festival that they celebrate, using the animated films 'Coco' and 'The book of life', which will be the inspiration for the artwork that we produce during the day. On this day we will also be looking at seasonal foods and making a vegetable chilli, mount nachos and some Mexican flavoured rice, yum, yum. Our Mix-it-up Middle will move to the top of the continent to Canada when we will celebrate 'Victoria day' in May. This is a day when we will look at why and how the Canadians celebrate on this day, it will be a terribly British celebration and will be spiffing, with us all wearing our best tea party clothes - we will also have a 'real-life Canadian' visiting us to tell us about life in Canada. Our Enthralling Ending will be an American extravaganza and will coincide with American Independence on the fourth of July! On the day we will celebrate all things from the USA and have a day of fun outdoor activities celebrating the independence from the British! Across the term we have a range of texts we will be studying and these include White Fang and The call of the wild, both of these are about wild wolves; we will also be looking at traditional Native American Folk tales and their meanings. Our learning environment is going to be very 'Wild West' as you would expect with a saloon area, cart wheels every where, a teepee, and even a horse!! There will be many opportunities for cross-curricular writing such as in Science experiments, in Geography and especially in History when we look at the British Empire and how both America and Canada gained their independence. In English we will be looking at a variety of genres of writing including diary entries, persuasive letter writing, non-chronological reports, newspapers, playscripts and Film narratives and many more. We will also have a two week block of Poetry creating several pieces of poetry that we will be creating a display from. Our Maths will mostly be standalone, however there are several times where we can work cross-curricular including looking at tables and data from the population of the continent, holiday costings for a trip to Disney Land and the rate of exchange between the Dollar and Pound. Our weekly French lessons are very apt and we will explore the use of the French Language in Canada and how many and which Canadians speak it. Our Science topics are Electricity and Types of changes, there will lots of opportunities to be very practical with these topics and we will be creating and completing the wiring for our shoe box houses, and also learning how we can separate all the sludge from the bottom of a lake like the prospectors during the Gold Rush would have to do. In Music, as well as our music appreciation assemblies, we will be looking at the different elements that make up music, learning how to appreciate numerous types of music and create some of our own use Garageband on the i-pads, and obviously listening to lots of Country Music. During our several DT sessions we will be learning about designing, making, and evaluating builds such as The Golden Gate Bridge and Brooklyn Bridges, completing a study of the Panama Canal, and exploring how levers and pulleys were used in the the construction of building such as The Empire S Tate Building, Statue of Liberty and Mount Rushmore. During this we will have use a variety of materials including Lego, K-Nex and recycled materials. In Cooking and Nutrition this term we are exploring seasonality and then moving onto fresh foods that we will be harvesting from our allotment. In Art we will continue to build up our sketch book work looking at various artists like Frida Kahlo and making some mixed media work, collage work and some fine pencil work based on her art. We will also be looking at Native American paintings and art inspired by the Day of the Dead festival. History is covered throughout the topic looking at the British Empire and the War of Independence, but we will also be spending time on a Study of the African country of Benin and its links with the Trans-Atlantic slave trade and then right up to date with its current human and physical geography. Geography will be covered in the first few weeks of the topic when we will be looking at the North American Continent and then later in the term looking at the human and physical geography of Benin in Africa. Across the term we will be using the laptops to present data in graphs and pie chart, we will be using the Green Screening apps on the i-pads to create newspaper reports, and we will be learning coding skills using Scratch. Our PE topics for the term include Tag-Rugby, athletics and striking and fielding games. We will teach our RE through a series of celebration days, this term we will learn about Islam looking at what the 5 Pillars of Islam are, then in the second half of the term we have a 'Big Question' day. This will be looking at what it means to be a person of faith in 2021. This is an absolutely packed topic and I am so looking forward to teaching it, and enjoying the lovely sunshine and outdoor space as much as we can.

