

Curriculum Map Year 5 Autumn Term

Geography – The Americas. In this unit children will focus on developing their locational knowledge of the Americas, explore different countries, cities and their human and geographical features. Children will explore continents and draw comparisons. Children will explore contrasting areas of North America, finding out about the landscape, climate and locations in each area.

Key Skills

To identify the countries of North America and their capital cities. To find out about South America. To investigate and compare climates in North and South America. To find out about human and physical geography.

Religious Education – Christian Prayer. In this unit children will explore spirituality by looking at their own situation and consider how they might need to change or develop to deal with the demands of life. Children develop morally and socially, recognizing the value of community, as shown in Christian prayer.

Key Skills To describe how Christians pray. To understand some similarities and differences between Christian ideas of prayer. To ask questions about prayer and share own ideas. To describe what commands their respect and why.

Science – Earth and Space In this unit of learning children will investigate the movement of the Earth, and other planets, relative to the Sun in the solar system, explore the movement of the Moon relative to the Earth, will use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky. They will investigate the phases of the moon. **Key skills** To describe the movement of the Earth and other planets. To describe the movement of the Moon. To describe the Sun, Earth and Moon as spherical bodies. To use the ideas of Earth's rotation to explain night and day.

Science – Forces In this unit of learning children will investigate forces in action, investigate impact of variables upon these forces. The main focus is investigative learning where children will be: asking questions, making predictions based on scientific knowledge; carrying out fair tests, presenting findings in graphs, charts and tables and drawing conclusions.

Key Skills To compare and give reasons based on testing forces, including gravity, friction, air and water resistance. To understand that there are forces of attraction and repulsion. To understand the term 'upthrust'.

History – The Maya Civilisation. In this unit children will study the key features, including the everyday lives of men, women and children of the Mayan Civilisation. Children will develop their understanding of the achievements of the earliest civilisations.

Key Skills To identify why the Mayan were so significant. To find out about Mayan agriculture. To identify important Mayan places. To find out what life was like. To organise historical information. To find out about Mayan gods and stories surrounding them. To understand Mayan achievements.

French – On Holiday. This unit covers the vocabulary needed to describe where pupils are going on holiday, where they're staying and how long they're staying. It also includes a variety of attractions they might encounter on holiday.

Key Skills To recognise basic holiday words. To understand some sentences about animals at the zoo. To prepare and deliver a short talk about a holiday. To be able to translate French words using a bilingual dictionary.

Music

The Fresh Prince of Bel Air (Wolverhampton Music School, online)



English – Narratives, Non-fiction and poetry

During this term, children will explore **older literature** and **narratives** by **significant authors**. Children will have the opportunity to read examples of classic novels and watch extracts of classic TV/film adaptations. Children will also explore **non-fiction** writing and **poetry**.

Key Skills To write for different purposes and different audiences. To develop speaking and listening skills. To undertake a range of spelling, grammar and punctuation activities.

Mathematics During this term children will increase their understanding of Place Value, Addition and subtraction, Multiplication and division, statistics, fractions, perimeter, area and volume. **Key Skills** To read, write, order and compare numbers to at least 1 000 000, determine the value of each digit. To add and subtract numbers mentally with increasingly large numbers. To identify factors and multiples of numbers, including all factor pairs of a number, and common factors of two numbers. recognise and use thousandths

PSHCE – Making Poverty History (1) In this unit children will learn about their identities and communities and about different places in the world.

Key Skills To identify how different things contribute to the identity of a country. To understand how countries with wealth can influence other countries. To identify where the world's wealth in terms of power is held. To know that as humans, we all have basic needs and rights. To demonstrate respect for differences. To develop a sense of empathy. To consider feelings and points of view of others.

Design and Technology – Design Mars Rover. In this unit, children will learn about structures of solar powered devices, techniques for reinforcing and strengthening structures, plan, design and construction a framework-type vehicle for an identified purpose that lights up or uses a motor.

Key Skills To relate the way things work to their purpose. To explore a range of different structures and materials and how they provide support. To design a functional Mars Rover. To test and evaluate design specification.

Computing – Online Safety (1) In this unit children will select and use a variety of software, including the internet. Children will understand the importance of using technology safely and responsibly and recognise acceptable behaviour. **Key Skills** To learn about staying safe online. To plan a storyboard for my stop motion online safety animation. To learn the main features of the stop motion software. To use stop motion software to create an animation. To use stop motion software to create an animation. To evaluate a stop motion animation.

Computing – Mars Rover (2) In this unit children will understand how computer networks work, including the internet, how they provide multiple services, such as the world-wide-web and the opportunities they offer to collaborate.

Key Skills To identify how and why data is collected from space. To identify how messages can be sent using binary code. To read and calculate numbers using binary code. To identify the computer architecture of the Mars Rovers. To use simple operations to calculate bit patterns. To represent binary as text.

Art and Design – Digital Portfolio In this unit children will use a range of digital software to recreate and create a range of paintings based upon the work of other artists. They will develop their understanding of what a portfolio is and create their own portfolio that demonstrates their uses of software and a camera to create images.

Key Skills To investigate the work of artists. To understand the impact of colour. To create contrasting colours. To compare work of artists. To understand what is meant by light, shade and tone. To use a camera to take digital stills. To edit a photograph. To create a montage of photos.

PSHCE – Animal Rights (2) In this unit children will investigate that animals have rights as well as humans. They will think about the need to care for pets at home and then looking wider at the welfare of animals around the world. Children will investigate and debate key issues around animal's welfare, including hunting and animal testing.

Key Skills To understand that animals have rights. To think about why animals need rights. To explain the basic rights of an animal. To define and explore what animal cruelty is. To debate key issues.