

Science - Life Cycles

Children will be able to describe the life process of reproduction in some plants and animals including humans. They will gain an understanding of the differences between asexual and sexual reproduction. They will compare the lifecycle of an insect to an amphibian.

Children will understand the life cycle of different mammals and know why birds lay eggs. Finally, they will compare lifecycles across the animal kingdom.

Working Scientifically.

Children will plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.

They will record using scientific diagrams and present findings from enquiries, including conclusions and relationships.

Maths

Children will learn to read, write, order and compare numbers up to 3 decimal places. They will multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.

Children will identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.

Children will know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.

Children will solve number and practical

French Les Planetes

Children will explore the patterns and sounds of language through the meaning of words. They will engage in conversations; ask and answer questions.

Children will speak in sentences, using familiar vocabulary, phrases and basic language structure.

They will develop accurate pronunciation and intonation and use this to tell their partner a fact about the solar system.

AUTUMN 2 Year 5



English

Children will study biographies; unpicking the features of a biography on JK Rowling. They will become familiar with the language choices and the types of information typically used. Children will write their own biography on Neil Armstrong based on information that they have researched and collated.

Children will write a diary entry describing a day in the life of a Victorian school child, which is linked to our Victorian history topic.

Finally, the children will explore Oliver Twist as part of our Literary Heritage unit. They will examine the text in detail and write in the style of the author to complete sections of the story. Children will also take the plot and theme from the text to plan and write their own contemporary version of the story.

History - WWI

Children will develop and secure their knowledge and understanding of British History in a chronological order.

They will note connections, contrasts and trends over time and develop the appropriate use of historical terms. Children will understand change, cause, similarities, differences and significance of historical events by answering and asking questions.

Children will understand how knowledge of the past can be interpreted from a range of sources.

Religious Education Christianity and Judaism

Children will learn about religious rules of living for both religions.

They will understand religious symbolism and the importance of 'Light'.

Children will research and become familiar with the Gospels of Matthew and Luke and look at the importance of Christmas and Hanukah.

PSHE & Citizenship

Bullying Awareness

Children will be able to recognise and express a variety of emotions, including jealousy, anger, excitement and worry.

They will develop strategies and skills to cope with such feelings and with changing moods. They will be able to recognise their strengths and weaknesses and learn strategies to cope with success and making mistakes. Children will identify their special people and describe how their networks have changed and developed. They will understand the differences between good friends, boyfriends and girlfriends.

Children will understand what is involved in belonging to and being left out of a group, as well as characteristics of a good leader.

Children will recognise some of the peer pressures and influences of being involved in a group. The children will learn about different types of bullying, why it happens and its effect on people. They will develop strategies to deal with bullying and stop it happening. Children will be able to respond assertively to teasing and bullying. Children will be able to describe their personal effectiveness and set realistic goals.

Relationships, Health and Wellbeing

Children will learn about the human life cycle and learn some of the basic facts about puberty. They will learn how puberty is linked to reproduction and learn about healthy relationships.

Design and Technology Automata (Moving) Animals

Children will learn how simple cam mechanisms work. They will be able to name specific cams and recognise how they move using either a rotary or linear motion. After exploring how cam mechanisms work, children will design and make their own automata animal model using cam mechanisms.

They will select from and use a wide range of tools and equipment to cut, shape, join and finish their product.

Finally, they will evaluate their finished product against their original criteria and suggest ways that their finished product could be improved.

PE – Golf/Archery

Children will continue to apply and develop a broader range of skills, learning how to use them in different ways and to link them to make actions and sequences of movement. They will communicate, collaborate and compete with each other.

They will develop an understanding of how to improve and how to evaluate and recognise their own success.

They will develop flexibility, strength, technique, control and balance. They will compare their performances with previous ones and demonstrate improvement to achieve their personal best.

Computing – Data Matters.

Children will learn how we can use tools to improve the accuracy and efficiency of our digital searching.

They will gain an understanding of how our internet activity can leave a permanent trail.

Children will understand that databases provide a way to store, organise, retrieve and analyse sets of data.

They will learn that the structure of a database determines the queries it can be used to answer.

Children will develop an understanding of the stages involved in the development of a database by completing their own and evaluate its effectiveness.

Towards the end of term, children will produce a digital resource to inform younger children of an aspect of their learning this term.

Music

Children will listen and appraise a song and learn and/or build on knowledge and understanding about the interrelated dimensions.

Children will use instruments to find the beat and pulse of different songs, and then perform to others using their instruments.