

Lamborghini Autumn Term 1: Frozen Kingdom

Welcome to the planet's coldest lands. Vast wilds and hostile territories; incredibly beautiful, yet often deadly. Take shelter from the elements or fall prey to icy winds and the deepest chill. Trek bravely and valiantly across treacherous terrain to the ends of the Earth, treading deep in snow or being pulled by a team of mighty sled dogs. Be alert, for magnificent mammals roam these lands; a hungry polar bear or an Arctic fox. Research facts and figures of climate, temperature, habitats and ecosystems. Wrap up well and settle by the fire. I'm just going outside and may be some time...

Possible Activities

Place value

We will revise place value in numbers up to 10,000,000 and apply this knowledge when comparing numbers and rounding. Then we will look at negative numbers in context and revise Roman Numerals.

Addition and subtraction

We will solve addition and subtraction problems in different contexts showing their understanding of written and mental methods.

On Fridays with Mrs Wortley, the children will develop their arithmetic skills so that they can calculate mentally with increasing speed.

Mathematical Development

(Number: place value; Number: addition/subtraction)

- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.
- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers.
- Round any whole number to a required degree of accuracy.
- Read Roman numerals to 1000 (M) and recognize years written in Roman numerals.
- Perform mental calculations, including with mixed operations and large numbers.
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Communication, Language and Literacy (Speaking & Listening, reading, writing, MFL)

English

- Read and discuss a wide range of fiction and check what they have read, discussing their understanding and exploring the meaning of words in context.
- Plan writing identifying the audience and purpose of the writing, selecting the appropriate form.
- Draft by selecting appropriate grammar and vocabulary to enhance meaning.
- Evaluate by assessing the effectiveness of their own and others' writing.

Italian

- Listen attentively to spoken language and show understanding by joining in and responding.

Possible Activities

English

The Ice-Bear by Jackie Morris

We will use the book to write a story that shows the link between animals and humans.

Shakleton's Journey by William Grill

We will create a book about significant events in a polar explorer's life.

Mrs Wortley – Fridays

We will create non-chronological reports about the polar regions and then write Haiku poems to describe the polar landscape.

Spelling and guided reading taught over each week.

Italian

We will learn how to give information about ourselves. Recall vocabulary related to people in the family.

Possible Activities

R.E.

We will conduct an enquiry to consider the teachings of Jesus and consider how the messages are applied today.

PSHE

We will consider our goals for the year ahead and consider our role in creating a positive classroom community.

Personal, Social and Emotional Development. (RE, PSHE, Citizenship)

- RE – Can we live by the values of Jesus in the twenty-first century?
- Offer interpretations of two of Jesus' parables and say what they might teach Christians about how to live.
 - Explain the impact of Jesus' example and teachings might have on Christians today.
- PSHE & Citizenship – Being me in my world
- Identify goals for this year, understand fears and worries about the future and know how to express them.
 - Know that there are universal rights for all children but for many children, these needs are not met.

Polar training experience day

Zoom with polar experts

Inuit art gallery

I wonder...

What makes a great leader?

Physical Development (PE, growth and health)

- Use good hand/eye co-ordination to pass and receive a ball successfully.
- Develop skills in a range of passes.
- Understand how to 'make a space' to receive a pass.
- Identify techniques to improve balance, core strength and co-ordination.

Possible Activities

Sport – Netball skills

We will develop our skills around passing and defending through playing netball.

Fitness – Pilates

We will develop our core fitness through Pilates lessons.

Creative Development (Art, D&T, Music, Drama)

Art

- Compare and contrast artists' use of perspective, abstraction and conceptual art.
- Create innovate art that has personal, historic or conceptual meaning.
- Adapt and refine artwork in light of constructive feedback and reflection.

Music

- Listen to music focusing on dynamics and texture.
- Learn a song with a complex texture.
- Develop accompaniments using invented rhythms.

Possible Activities

Art

We will learn about the Inuit way of life, including some of their cultural and artistic traditions. Then we will create pieces of art using printing and carving.

Music

We will embark on a musical journey through the solar system, exploring how our universe inspired composers including Claude Debussy and Gustav Holst. We will learn a song, and compose pieces linked to space.

Possible Activities

Geography

We will learn about the polar environment including landscape, climate and eco-systems.

History

Research and find out about some key historical polar expeditions and the role the leaders took in decision making.

Science – Earth and Space

Learn about planets and how the movement of the Earth creates night and day.

Knowledge and Understanding of the World (Geography, History, Science)

Geography

- Describe physical features of polar landscapes.
- Describe the climatic similarities and differences between two regions.
- Explain how climate change affects climate zones and biomes around the world.

History

- Examine decisions made by significant historical individuals, considering their options and making a summative judgement about their choices.

Science

- To explain how day and night occur relation to the rotation of the Earth.
- Describe the movement of the Moon relative to the Earth.

Computing – Block Coding

- Learn to make things happen in a sequence, creating simple animations and simulations.
- Learn to code with 'if statements', which select different pieces of code to execute depending on what happens to other objects.

Possible Activities

We will use Espresso Block Coding to create animations by coding more than one sequence. We will create code to enable the computer to make a decision about whether or not to carry out an instruction.