

London Plane Class Autumn Term 2020

Frozen Kingdoms



This project teaches children about the characteristics and features of polar regions, including the North and South Poles, and includes a detailed exploration of the environmental factors that shape and influence them.

As Mathematicians, children will deepen their understanding of division. They will be working with the four operations of addition, subtraction, multiplication and division in the context of problem-solving. We will explore the concept of fractions in depth: finding equivalents, simplifying, ordering and comparing them. We will add, subtract, multiply and divide them, as well as finding fractions of amount. Continued focus on the fluency of number and tables will further support their learning. The term rounds off with a focus on using co-ordinates, reflection and translation.



In English, children will continue to write in for a range of purposes and audiences, demonstrating their ever-increasing understanding of grammar and punctuation. They will be encouraged to make clear choices independently and to reflect on the effectiveness of these choices. As always, examples are shared and modelled to broaden the choice that they have available to them. They will be immersed in high quality fiction texts, including *The Wolf Wilder* and *Shackleton's Journey*, that challenge them as readers and that provide writing opportunities with links to the topic, encouraging use of specialist vocabulary learnt in science and topic work. Children will continue to read daily and start to become more critical of what they are reading, discussing their texts with adults and peers. They will have spellings to work on each week and these will focus of the key Year 5/6 vocabulary.



In Religious Education, children will complete a unit exploring the key question of “What kind of king was Jesus?” They will explore the life and work of Jesus using their Bibles, make connections between the texts studied and what Christians believe about how Jesus taught us we should live their lives.



As Historians, children will describe some of the greatest achievements of mankind and explain why they are important, in the context of the great polar explorers. Great achievements within Antarctic exploration include Captain Cook's crossing of the Antarctic Circle, in the 1770s; Captain James Clark Ross' discovery of Mount Erebus, the Ross Sea and the Ross Ice Shelf; and the expedition to reach the South Pole by Shackleton, Amundsen and Scott, between 1901 and 1916 during the Heroic Age of Antarctic Exploration.

As Geographers, children will locate and explore the polar regions, recapping on the location of the Northern and Southern Hemispheres and key lines of latitude and longitude. They will compare polar landscapes, identifying similarities and differences between their geographical features, revisit knowledge on climate change, exploring its impact on polar regions alongside the causes and effects. The class will describe the distribution of natural resources across the world, especially looking at the polar regions. They will investigate the indigenous people of the Arctic and explore the term tourism and how it has changed a place or landscape over time.



As Artists, children will explore polar landscapes using a range of different media. These will include different techniques and explore art of the indigenous people. They will also continue to develop their sketch books as a record of their studies.



As Scientists, children will recap day and night, the rotation of the Earth and how this impacts on the polar regions. They will look at how humans and animals adapt to live in the harsh polar regions and classify living things into groups according to common, creating their own classification keys. The children will plan and conduct a number of investigations exploring the adaptation of blubber as a thermal insulator and what variable has the greatest impact on causing icebergs to melt.

As Musicians, children will compose music that would be most appropriate to accompany a tourism campaign.



In Computing, children will continue to use search technologies effectively and safely to conduct valid research into the content covered. Children will use suitable software to create music for a tourism advert, a classification key, alongside further enhancing their use of presentation software.

In PSHCE, children will deepen their understanding of what it is to be a good friend, responsible citizen and other issues raised by our anti-bullying focus. This work complements our continued focus on our aims as a Rights Respecting School.

In Physical Education, children will be working on a variety of team and individual games, including table tennis, and will be preparing a dance for a locality festival, using the theme of 'Lockdown'.