

## London Plane Class Autumn Term 2021

### *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 numbers, investigating the factors of different numbers; prime, square and cubed numbers. 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 on 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 with healthy relationships, responsible citizen and other issues raised by our anti-bullying focus, One Kind Word. This work complements our continued focus on our aims as a Rights Respecting School. We will also launch our work with Commando Joe.

**In Physical Education,** children will be working on a variety of team and individual games, including seated volleyball, scorpion volleyball and table tennis. They will be developing the core skills and fitness that will be needed to improve their technique in sports like these. Our PE days remain on Thursday and Friday.

## Spellings for this halfterm:

<p><b>Week 1</b></p> <p>Doubt               bare  Island               dare  Lamb                 care  Solemn              share  Thistle              scared  knight  -vehicle  -yacht</p>	<p><b>Week 5</b></p> <p>Heard               you  Herd                 your  Led                  they  Lead                 be  Morning             he  Mourning           me  -immediately      we  -individual</p>
<p><b>Week 2</b></p> <p>Vicious             the  Precious            a  Conscious          do  Delicious          to  Malicious          today  -variety  -vegetable</p>	<p><b>Week 6</b></p> <p>Past                no  Passed             go  Precede            so  Proceed            by  Principal          my  Principle  -stomach  -sufficient</p>
<p><b>Week 3</b></p> <p>Ambitious          of  Cautious            said  Fictitious          says  Infectious          are  Nutritious          were  -Thorough  -twelfth</p>	<p><b>Week 7</b></p> <p>Profit               here  Prophet            there  Stationary         where  Stationery         love  Steal               come  Steel               some  -sincere (ly)  -soldier</p>
<p><b>Week 4</b></p> <p>Farther            was  Further            is  Father             has  Guessed           his  Guest              I  -leisure  -lightning</p>	

## Homework

Our homework this half term should be a range of activities that will reinforce the learning that is being completed in class. The class should spend at least 20 minutes three times a week on each program, as it will be beneficial for each of them. The children have all been given a card with their different log ins. They also need to have access to Seesaw, where will post learning updates and other bits and pieces like spellings.

- 1) Prodigy – as you already know, this is a maths learning program. Their character levels up as they progress. To do this they are asked questions from the different area of maths. Every week I set specific areas that they need to practice from learning we have covered in class. The program feeds back to me, showing the progress that each child is making. If they are finding particular areas difficult, it makes it a little easier for them. They also are encouraged to come in and ask me.
- 2) Read Theory – this is a similar idea but with reading as a focus. Again, the children are reading a range of texts and answering questions about these. It also adapts the difficulty of the text to the level of the reader.
- 3) TT Rockstars – again, a similar idea but with respect to learning times tables.

Additionally, each week, the children will come home with five spellings from our new spelling scheme. They will receive these on a Monday and will have the rest of the week to learn them before being tested on a Friday. They will then receive the next five words for the following week. The test will cover all of the words that they have been assigned so far, increasing by five each week. I have attached the spellings for each week on the next page.

If you have any further questions, please do contact us on [mcheshire@chidham.w-sussex.sch.uk](mailto:mcheshire@chidham.w-sussex.sch.uk) and [lmacdonald@chidham.w-sussex.sch.uk](mailto:lmacdonald@chidham.w-sussex.sch.uk)

## ICEBERG HOMEWORK

At some stage this half term, I would like you to have a go at the following investigation:

**Make a giant iceberg!**

Freeze water in a large balloon or clear plastic bag overnight. Once frozen, remove and place in a large container of water.

Observe how the iceberg sits in the water and how it changes over time.

Explore questions, such as 'What happens if you add salt to the iceberg? Why do you think there are air bubbles in your iceberg? Why do you think the ice moves as it melts? Is there anything else that you want to try out on your iceberg? Which part melts more quickly? The part above or below the surface?'

Record your observations and ideas using photographs, notes or videos and upload these to SeeSaw.

You could also create smaller individual icebergs and make comparisons between them.

# Real PE at Home

Dear parent/guardian,

We know active, healthy children achieve more. At school, we have created an enabling environment where EVERY child feels included, valued, challenged, and supported to achieve their maximum potential in PE, school and life. Your child participates in real PE lessons to develop their Fundamental Movement Skills and important life skills: personal, social, cognitive, and creative. Our school also has home learning support through real PE at home where children can continue to be active through fun games and activities on their own and with a sibling, parent, guardian, or other family member. The children will be coming home with a log in as follows.

Visit: [real.jasmineactive.com/login](https://real.jasmineactive.com/login)

Your login details are:

Username:

Password:

For more information including a short video on how to use real PE at home, use the following link: <https://real.jasmineactive.com/home>

We hope you enjoy exploring real PE at home and have fun with the games and activities.

Kind regards,

Mat Chesshire and the London Plane team.