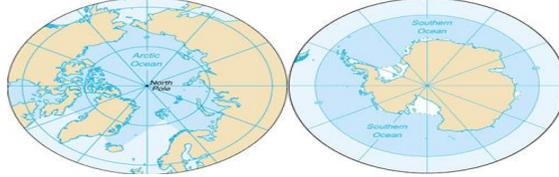




Kibworth Primary School Year 6: Spring Term 1



Frozen Kingdoms



Dear parents and carers,

Happy New Year! We hope that you had a relaxing time with family and friends over the Christmas break. Despite the next half term being one of the shortest of the year, there will still be lots of exciting things to learn! To reflect the frosty mornings outside, our topic for the next five weeks will be called Frozen Kingdoms where we will learn about the polar regions of our planet. For centuries, humans have been fascinated by these desolate lands that top and tail our planet. We intend to look beyond the ice and snow to investigate what life is like in this vast wilderness and seek out the heroic stories of survival and subsistence in The Frozen Kingdoms. To finish, we will start to think about the future of these places and how the actions of humanity are affecting the Poles of our planet.

Literacy

To write a persuasive leaflet about the Arctic

To begin this term off in English, we will be exploring the purpose of writing to persuade. Children will look at examples of persuasion, exploring the type of language, vocabulary and cohesive devices used in this type of writing. Children will then apply their skills to write a piece of persuasive writing encouraging people to visit the Arctic linking in to our Frozen Kingdoms topic.



To write a explorer themed narrative

For the second part of the term, we will begin to explore narrative writing in more detail. Children will investigate the structure of narrative writing whilst considering development of character and speech. Alongside this, children will re-visit their use of higher order punctuation. The children will then use all of these skills to create their own Polar expedition themed narrative story.



Maths

Fractions, decimals and percentages

This term in Maths, children will re-visit their work on the four areas of calculation to ensure that they are accurate and fluent. This is a vital area of Year 6 maths and it is important that children continue to practise this. As a result, each week, children will receive a standalone calculation session in addition to normal maths sessions. They will then have a focus on measures. We will start with angles: children will consolidate measuring and drawing angles then moving onto to calculating angles within shapes. Following on from this, children will learn how to calculate area, perimeter and volumes of 2D/3D. To conclude, children will consolidate skills in converting between measures (both imperial and metric). This will include the application of how to mentally multiply and divide by 10, 100, 1000 in order to solve problems involving conversion of measures e.g. converting km into m or g into g.

Key areas of learning:

Science	Geography	
<ul style="list-style-type: none"> ▪ Classify living things into broad groups according to observable characteristics and based on similarities and differences ▪ Know how living things have been classified ▪ Give reasons for classifying plants and animals in a specific way ▪ Know how animals and plants are adapted to suit their environment ▪ Know that adaptation over time links to evolution 	<ul style="list-style-type: none"> ▪ Use a wide range of maps, atlases, globes and digital maps to locate countries and features studied. ▪ Plot the tropics and equator ▪ Relate different maps to each other and to aerial photos. ▪ Begin to understand the differences between maps e.g. Google maps vs. Google Earth, and OS maps. ▪ Use latitude/longitude in a globe or atlas. ▪ Identify and explain increasing complex geographical features, processes (changes), patterns, relationships and ideas. ▪ Use more precise geographical language relating to the physical and human processes detailed in the PoS e.g. tundra, coniferous/deciduous forest when learning about biomes. ▪ Communicate geographical information in a variety of ways including through maps, diagrams, numerical and quantitative skills and writing at increasing length. ▪ Develop their views and attitudes to critically evaluate responses to local geographical issues or events in the news e.g. for/against arguments relating to the proposed wind farm. 	
Art	R.E - What matters most to Christians and Humanists?	Computing - Graphical Modelling
<ul style="list-style-type: none"> ▪ Create printing blocks by simplifying an initial journal idea. ▪ Use relief or impressed method. ▪ Create prints with three overlays. ▪ Work into prints with a range of media e.g. pens, colour pens and paints. 	<ul style="list-style-type: none"> ▪ Describe what Christians mean about humans being made in the image of God and being 'fallen', giving examples. ▪ Describe some Christian and Humanist values simply. ▪ Express their own ideas about some big moral concepts, such as fairness or honesty comparing them with the ideas of others they have studied. ▪ Suggest reasons why it might be helpful to follow a moral code and why it might be difficult, offering different points of view. 	<ul style="list-style-type: none"> ▪ Independently select the most appropriate ICT tools for intended purpose and audience. ▪ Routinely evaluate and improve work as part of the design process. ▪ Use a range of digital devices to produce digital 'content'.

Outline of Learning Journey

Week 1 and 2 : Arctic vs Antarctic



Children will use atlases to locate the Arctic and Antarctic and compare their position to some of the key lines of latitude that run around the earth. The children will then compare the physical features of these two polar regions by investigating climate, plants, animals and topography.

Week 3 and 4: Which animals call these polar regions home?



Children will recap previous learning linked to the classification of animals and apply to the animals found in these polar regions. Children will then investigate how these animals have adapted to their habitats in order to survive. Finally, children will learn about food webs found in polar regions and how keystone species can impact whole food chains.

Week 5: Human exploration of the poles



Having learnt about the animals that call the polar regions home, children will learn about the human exploration of these places. They will learn about the successful and unsuccessful attempts to reach the North and South Pole. Using their own knowledge, they will discuss what mistakes were made some of the unsuccessful missions.

Week 6: The future of the poles



Children will learn about how human activity is impacting the polar regions in particular the Arctic. They will learn about global warming and the causes of this and how this is directly impacting the ice caps in the Arctic.

Key Information:

- P.E in Year 6 will take place on a Wednesday and a Friday afternoon
6R will be doing archery and cricket
6M will be doing volleyball and badminton
6H will be doing dance and baseball
Please make sure that children have appropriate clothing and footwear for the changing weather.
- Homework is given out on a Friday and will comprise of a mixture of Maths, Reading, Grammar or Spelling. It is due back in the following Wednesday. We understand that due to busy schedules, children on occasions find it difficult to find time to complete homework at home. If that is the case, we can find time for them during school time to complete this.
- Reading Diaries will be checked daily in Year 6 to keep track of the reading that is taking place.

Things that you could do at home that could really make a difference to learning:

- Please continue to support your children with their reading at home. With the new curriculum, standards have increased and it is vital that children in Year 6 continue to read regularly to improve their fluency, reading comprehension and understanding of language.
- Rapid recall of times tables is absolutely key to succeeding with maths in Year 6. Key areas of our curriculum such as calculation, fractions and percentages are underpinned by a sound knowledge of these facts. Please continue to encourage your children to practise these at home. We will have times table races every week at school to practise.

We look forward to working with you and your children this year. If you have any questions or concerns, please do not hesitate to contact us.

Mr Roantree, Miss Morley, Miss Hyman, Mrs Pinborough, Mrs Darlison, Mrs Kandola and Mrs Shuker
Year 6 Team

Here are a few websites that may help to support your child's learning during his half term.

Maths:

Century Maths

<https://app.century.tech/login/>

Interactive games to practise times tables

<http://www.oswego.org/ocsd-web/games/mathmagician/mathsmulti.html>

Times Table Rockstars

<https://ttrockstars.com/login>

Maths activities

<http://nrich.maths.org/frontpage>

Literacy:

Grammar

<http://www.ks2phonics.org.uk/Clausesandconnectives.html>