

Ice-Covered Empire



	What we will be covering in class	Supporting your child's learning at home.
Engage	Children will: observe their very own iceberg in the water and think about how they were formed and what impact global warming would have on the environment. They will work in research teams to identify the similarities and differences between the Arctic and the Antarctic. They will record data and information in charts and spreadsheets and then discuss and share their findings with another team.	<ul style="list-style-type: none"> • Ensure that your child reads daily at home. • Support your child, if it is needed, to help them prepare for their weekly spellings and times tables tests. • Try to let your child have a go on Mathletics at least once a week. • 'My Choice' homework will be given out fortnightly and the children will have one week to complete it. Try to write a comment in the parents' box and encourage high standards of presentation. • Target Team Maths homework will be given out to complete at home, once we have covered the necessary learning in class. The children will have one week to complete these sheets. <p>Our Whole Class Book: <i>The Call of the Wild</i> by Jack London and <i>Journey to the River Sea</i> by Eva Ibbotson and</p>
Develop	Children will: take inspiration from their texts to produce imaginative and exciting pieces of independent writing. They will be able to research the two polar regions and speak confidently about their findings with the aid of presentation software. The children will form an understanding of the different environments and the wildlife who rely on this as their habitat. They will study how certain creatures have adapted to the challenging environment and how they are able to survive. Children will learn about famous explorers who dedicated their lives to finding out more about these inhospitable parts of the world.	
Express	Children will: work in groups to create an information presentation about either polar region using a presentation programme. They will download images from their digital scrapbooks to add interest. They will produce an art gallery of Inuit-inspired artwork and explain the techniques they used to create their work.	

Math	They will explore positive and negative numbers in the context of temperature, calculating difference between two points. They children will interpret data (temperature) shown on a line graph from different polar regions around the world and then plot on their own temperatures over a period of time. They will research some of the world's most coldest and inhospitable environments and create their own <i>Top 10</i> lists of these places.			
English	Our English this term is going to be based around our topic: <i>Ice-Covered Empire</i> . The children will be reading <i>The Call of the Wild</i> by Jack London and <i>Journey to the River Sea</i> by Eva Ibbotson and study the text and its characters. The children will have a spelling lesson once a week and this will involve learning a different spelling rule and also being tested on the Y5/6 list of spellings. The children will have one lesson a week dedicated to grammar, punctuation and spelling (GPS). During the week, they will have a one lesson which solely looks at sentence structure and how to vary length and openings.			
Science	This term the children will be looking at light. The children will investigate the way that light travels and understand how objects are seen by the human eye. They will look at different sources of light and understand why shadows are created. As scientists, they will be undertaking regular investigations and learn how to prepare and write up these investigations fairly. Linked to their topic, they will study food chains and biodiversity.			
Art & DT	The children will be studying different types of media in their art lessons on Monday afternoons. They will use digital cameras to photograph ice and/or snow, capturing their beauty at close range. They will create their own artwork showing <i>The Northern Lights</i> .	PE	Children will be having basketball on a Monday and tag-rugby on Thursday.	RE Religious Education will not be taught explicitly in class but will be covered through whole-school and class assemblies.
Computing	Children will use the internet to download images of icebergs and other geological features such as ice shelves, ice sheets, sea ice and glaciers. They will then create a digital scrap book and add notes where appropriate. They will need to think about and describe how they might organise their work as they add more files.	PSHE	'Is it ever right to use animals for work?' We will look at a range of images of working animals from both past and present. The children will then consider their own opinions on this matter and then explain and justify their views.	
Geography	We will use globes and atlases to find and name both polar regions and other significant geographical features of the world. They will make a simplified global map showing the locations of the features and then add a key for information.	French	The children will learn French on Monday afternoons. They will build on their previous knowledge of basic greetings and numbers and learns words for members of the family.	
History	Children will create an electronic timeline to show the history and development of polar exploration. They will use the internet and other resources to find information and images.	Music	The children will do singing in a whole school weekly singing assembly. They will also create a soundtrack which captures the beauty of the Northern Lights, using a range of everyday and found objects from around the classroom and school.	

