



# Sub – Zero!

During the next term our topic is, **Sub-Zero!**

We have received a special delivery from the Antarctic, it is a letter from an Emperor Penguin, asking us to research the effects of Global warming on his home. We will read "The Emperor's Egg" to help us, and learn about the life cycle of penguins.

After that we will make shadow puppets to tell the story of Hans Christian Anderson's "The Snow Queen" before becoming part of Ernest Shackleton's Antarctic expedition in the second half of the term.

We are going to be very busy!

**As part of our new themed homework, we would like you to complete:**

**At least 6 of the following tasks as homework.**

**You will need to do at least 1 from each section.**

**You should also still practise your weekly spellings and maths facts; and read at least 3 times per week to an adult.**

Please bring your homework book and any additional work you have done as part of your homework, **back to school each Wednesday** so we can review how much of your termly homework you have done!

You have until the Easter holidays to complete the 6 pieces of work.

Be creative	Find out about a place
Design a vehicle, some clothing or a piece of equipment that could be used by an Antarctic explorer. Draw / photograph and label it in your homework book.	Find out about another place in the world that has a very cold climate.
Draw or make a model of a polar animal.	Find out how the North pole and the South pole are similar and how they are different.
Make your own shelter or den, fit for an explorer. Draw and label it in your homework book.	Find out where different types of penguins live around the world.
Research Skills	Out and About
Research another polar animal and write a report or a fact-file.	Choose a week to record the temperature outside – can you record your results in a table or a graph? Did the temperature go below zero on any day?
Use books to research another famous polar explorer, other than Shackleton (e.g. Scott or Amundsen). Write a biography or design a poster about them.	If it snows, go outside and make a snowman, build an igloo or go sledging. How do you think it would feel to live somewhere that was cold and icy all of the time?
Find out about someone who has explored a different place – maybe they explored deserts, rainforests, jungles, or even space?	What are the safest shoes to wear on an icy day? Why? Test out how much grip your different shoes have (very carefully!).
Scientific thinking	Surprise us!
Recreate one of our ice science experiments at home. Did you get the same results?	If you have an idea about something you can do for your homework linked to ' <b>Sub-Zero!</b> ' theme, and it is not on the suggested ideas for homework, please surprise us and produce what you would like!  We would love to see what creative ideas you have!
Do you have any magnets at home or Magnetix to play with? If you do, investigate how they work. Where do they stick? How strong are they, what can they hold?	
Make a shadow puppet at home. What happens if you move it closer or further away from the light? What is the best material to use and why?	

**We look forward to seeing your work,**

**Miss Thorpe, Mrs Greenwood and Miss Gledhill.**