



Autumn 1- Year 4
Homework Assignments

You **must** choose 3 maths and 3 topic homework assignments to complete in your homework log book. Homework should be brought in on Thursday 22 October. If you want to do extra – that’s great!

Maths Choose 3 to complete	Topic Choose 3 to complete
Number and Place Value	Science
<p>When Scott was preparing for the expedition, he had to choose which size tents to take for 29 crew (including himself). He could choose 3-person, 4-person or 9-person tents. What combinations of size tents could he have taken for all the crew to have a tent to sleep in? (They can be all the same size or a mixture). All the tents must be full, e.g. 4 crew in a 4-person tent.</p>	<p>Explore the melting point of different solids (e.g. ice, chocolate, candlewax) with an adult. Consider how you might measure and record the temperatures? What is the difference in melting points between each of the solids you have chosen?</p>
Calculations	Design Technology
<p>Shackleton instructed his crew to abandon ship in less than 60 seconds as Endurance was sinking fast. Can you challenge yourself to memorise and recall the 3, 4 and 6 times tables in less than a minute? Ask your parents to time you. Here are some fun interactive games to help you practise your tables.</p> <p>http://resources.woodlands-junior.kent.sch.uk/maths/timestable/index.html</p> <p>http://www.ictgames.com/spitfireufo.html</p>	<p>Plan a diorama to show either the Antarctic landscape or the Endurance expedition (on the ship, lifeboats or camping). Draw pictures with notes or write instructions for how you will make it. Make the diorama. If possible, take photos of each stage. Include facts or information that you have learnt.</p> 
Time	Art
<p>Design a board game with an Antarctica theme. Make sure there is a time element to the game. For example, some of the questions could involve problem-solving using time: you could use analogue or digital time. E.g. If Shackleton’s crew started to empty the Endurance at 11.50am, before it sank. It took them five and a half hours. What time did they finish?</p>	<p>Draw or paint the scene out of your window. What colours would you use if you were painting the scene in autumn, winter, spring or summer?</p> <p>Create two different versions of this where you use colour as a form of language.</p>
Measures	Computing
<p>The expedition to Antarctica costs a lot of money so each crew member has been asked to contribute to supplies. Pour out the contents of your money box and set out your money in stacks according to their value (e.g. stack all of your 10p coins in one pile and all of your 20p coins in another). Draw a picture of your coin stacks and record how much money is represented by each stack.</p>	<p>Use Google Earth to navigate yourself from Norwich to Antarctica. What continents did you pass? What oceans did you go through? Can you present your findings in a word or powerpoint programme using screenshots of your exploration using google maps.</p>

Reading
Please read your home-reading book at least 3 times a week, either with an adult or by yourself – don’t forget to keep a note of how much you read in your home-reading record book.



**Spring Term 2- Year 4
Homework Assignments**

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Number and Place Value	Science
Calculations	Design Technology
Time	Art
Measures	Computing

Reading

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