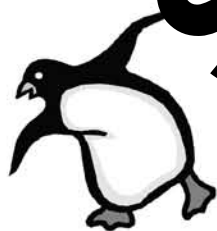


For
Ages
11+

A Library Activity Pack
BLM ACTIVITY BOOK



Amazing Antarctica



For use with the
Amazing Antarctica resource book

Amazing Antarctica



- Explore the cool, cool, world of Antarctica!
- Learn about Antarctica's amazing wildlife, its rich history of exploration and the research and development of Antarctica today.



By Jane Bourke

By Jane Bourke

A complete learning centre package for the library. Set against the backdrop of Antarctica, this innovative package acts as a springboard for developing and enhancing thinking and creativity skills.

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Task 7: A Piece of Antarctic Pie

Materials: Antarctica resource book, A4 sheet of paper, pen.

Task: Imagine you are the prime minister of the fictitious country Penguinia. Make a claim on Antarctica's unclaimed land. Present your claim to the Antarctic Treaty consultative nations.

- ☐ Write a one page brief to explain the reasons for your country's claim and outline what you would like to see the area used for.

In your brief, provide some new ideas for each of the headings below:

Animal research program

Medical research program

Weather research program

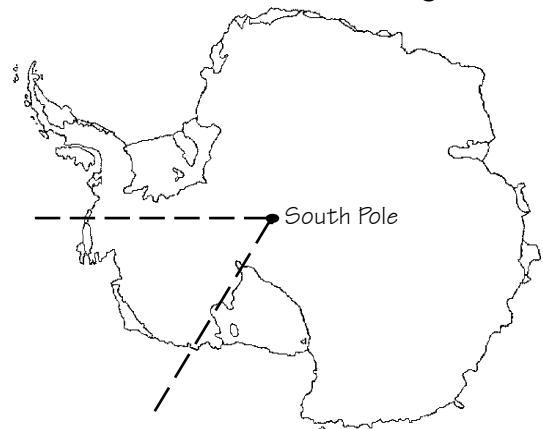
Research Station

Conservation

Visitors to Antarctica

Starting Point: Check out some of the current research programs that are being carried out by studying the research pages in the Antarctica resource book.

Antarctica Claim for Penguinia



Related Outcome: Students will present a rationale demonstrating the rights and responsibilities of certain communities on a global scale.

Creative Thinking Skills: Applied Imagination.

Subject Areas: Science, Society & Environment/HSIE, English.

Task 8: Live from the South Pole

Materials: Antarctica resource book, A3 sheet of paper, coloured markers, pen, tape recorder with microphone or webcam (optional).

Task: You are the news person at the South Pole, eagerly reporting events as they unfold.



Roald Amundsen and Robert F. Scott and their expedition teams are the contestants in the "Great Race to the South Pole".

- Write or tape record a detailed account of the great race adding your own slant to the events. Report on the event like you were covering an event such as the Melbourne Cup or an Olympic gold medal moment.
- Make your account as thrilling as possible, using actual facts as the basis for your work. Remember that this event took place over a number of weeks, so your work could be presented in chapters.

Related Outcome: Students will retell an historical event from the perspective of a spectator of the day.

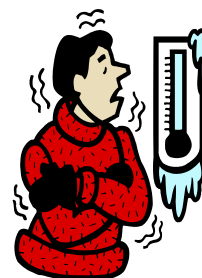
Creative Thinking Skills: Imagination, Elaboration.

Subject Areas: English - Speaking & Listening, Society & Environment/HSIE - Time, Continuity & Change, Place & Space.

Task 19: Stranded!

Materials: Antarctica resource book, paper, pen, library books.

Scenario: You are a researcher that was sent to Antarctica for two months during the autumn. Your original brief was to travel overland to inland Antarctic areas to study the changes in the ice cap. You and your team were scheduled to arrive back at your base with plenty of time to catch the *Polar Bird* back to your country.



A blizzard forced you to camp inland for an extra week and with winter rapidly approaching, the *Polar Bird* was forced to set sail to avoid the sea ice, leaving you and your team behind. No one was able to contact you and your team of three and the rescue party have since given you up for dead. It looks as though you are stranded at the base for the entire winter – that's if you ever make it back to the base!

Task 1: Explain what you will do from here on in, in terms of survival. Assume that no planes can land where you are due to the possibility of a "white out" at this time of year. Your food supply will run out in a matter of days and you have no means of communication with the outside world.

Task 2: Problem Reversal – Brainstorm the ways in which this problem (being stranded) could have a positive outcome!

Related Outcome: Students will problem solve a situation, viewing the problem from a number of perspectives.

Creative Thinking Skills: Imagination, Flexibility, Problem Reversal.

Subject Areas: English - Writing, Society & Environment/History Resources, Place & Space, Science, Technology.

Task 20: Antarctic Time Capsule

Materials: Antarctica resource book, paper, pencil, erasers, markers.

Task 1: Create a time capsule to be buried in an iron trunk several metres below the Antarctic soil in summer. The time capsule is scheduled for opening on New Year's Day 2040.



On an A4 sheet of paper, provide a detailed list of what should be placed inside the time capsule. Try to include details of the latest research in a number of fields, (for example, biology, meteorology, geology, medicine, and so on) so that it can be compared with future scientific studies. Discuss other items that you think should be included and give your reasons for each item.

Task 2: Design a suitable capsule that will house all the material that needs to go into the package. Your model will need to withstand at least 35 years of extremely harsh conditions. In your plan, give details on where you think the time capsule should be placed and explain how you think it can be buried.

Related Outcome: a) Students will discuss the features of a proposed time capsule, planning the materials that are to be included and providing a justification for each item; b) Students will understand the importance of artefacts from the past.

Creative Thinking Skills: Curiosity, Imagination, Risk Taking.

Subject Areas: English, Soc. & Env./HSIE - Time, Continuity & Change, Science, Technology, Maths - Space.

Activity Checklist

Photocopy this sheet onto A3 paper and display in learning centre. Students check off the activity cards as they complete them.

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