**Teacher resource: Antarctica – literacy learning links**

This teacher resource lists selected articles from the *Connected* and *School Journal* reading series that support science concepts when teaching about Antarctica.

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| ***Connected* and *School Journal* titles and synopses** | **Science Learning Hub resources supported by the titles** |
| *The Big Chill and the Big Drill* by Rupert Alchin  *Connected* Level 1 and 2 2008  ANDRILL scientists drill into the Antarctic seabed to learn about Antarctica’s climate and how it has changed from ancient times. | [Antarctic life and ecosystems](https://www.sciencelearn.org.nz/resources/326-antarctic-life-and-ecosystems)  [Collecting data in Antarctica](https://www.sciencelearn.org.nz/resources/321-collecting-data-in-antarctica)  [Antarctica and global climate change](https://www.sciencelearn.org.nz/resources/421-antarctica-and-global-climate-change) |
| *Who’s Eating Who?* By Bronwen Wall  *Connected* Level 4 2012  The article covers Antarctic food webs and animal adaptations for life in an icy ecosystem. (Includes teacher support material.) | [Antarctic life and ecosystems](https://www.sciencelearn.org.nz/resources/326-antarctic-life-and-ecosystems)  [Collecting data in Antarctica](https://www.sciencelearn.org.nz/resources/321-collecting-data-in-antarctica)  **Activity idea**  [Making a food web](https://www.sciencelearn.org.nz/resources/1526-making-a-food-web) |
| *An Ecologist on Ice* by Matt Vance  *Connected* Number 4 2013  Phil Lyver is a wildlife ecologist who studies Adélie penguin population dynamics and the marine ecosystem in the Ross Sea. Phil uses the same data-recording systems as Dr Amy Whitehead, featured in the *Nigel Latta in Antarctica* video series. (Includes teacher support material.) | [Antarctic life and ecosystems](https://www.sciencelearn.org.nz/resources/326-antarctic-life-and-ecosystems) |
| *Gather Your Data* by Rex Bartholomew  *Connected* Number 4 2013  This article explains the functions and uses of data loggers and tags. (Includes teacher support material.) | [Antarctic life and ecosystems](https://www.sciencelearn.org.nz/resources/326-antarctic-life-and-ecosystems)  [Collecting data in Antarctica](https://www.sciencelearn.org.nz/resources/321-collecting-data-in-antarctica) |
| *59.5 Degrees South* by Sarah Wilcox  *School Journal* Level 3 August 2013  This article provides information on Argo floats. These devices measure ocean currents, temperature and salinity. The article also references the Antarctic Circumpolar Current – without the need for Nigel’s pizza sauce.  (Includes teacher support material.) | [Antarctic life and ecosystems](https://www.sciencelearn.org.nz/resources/326-antarctic-life-and-ecosystems)  [Collecting data in Antarctica](https://www.sciencelearn.org.nz/resources/321-collecting-data-in-antarctica)  **Activity idea**  [Using Argo data](https://www.sciencelearn.org.nz/resources/710-using-argo-data) |
| *Frozen Food* by Philippa Werry  *School Journal* Part 4 Number 1 2006  Read about what it is like to be a chef in Antarctica, where most of the food is delivered once a year. | [Scott Base](https://www.sciencelearn.org.nz/resources/320-scott-base) |
| *Voyage to the Cold South* by Emily Sendall  *School Journal* Part 1 Number 4 1994  The author went with her parents on a voyage across the Southern Ocean to Antarctica. This article contains diary excerpts and photos. | [Antarctica’s historic huts](https://www.sciencelearn.org.nz/resources/323-antarctica-s-historic-huts)  **Activity idea**  Compare the author’s diary entries with [weekly blog posts](https://www.sciencelearn.org.nz/resources/1246-research-voyage-to-antarctica-introduction) from those who sailed on the research ship *Tangaroa.* Record similarities and differences between these two journeys – 25 years apart. |
| *Time Capsule in the Antarctic* by Kim Westerov  *School Journal* Part 1 Number 3 1991  A short article about Ernest Shackleton’s 1908 hut. The article contains detailed photos of the hut’s contents. | [Antarctica’s historic huts](https://www.sciencelearn.org.nz/resources/323-antarctica-s-historic-huts)  **Activity idea**  Look closely at the labels on the food tins. What kinds of food did the explorers eat?  Compare these food items with the foods and meals mentioned in *Frozen Food* (*School Journal* Part 4 Number 1 2006). |
| *Southern Quest* by Stephen Broni  *School Journal* Part 4 Number 1 1990  *Shipwrecked in Pack Ice* by Stephen Broni  *School Journal* Part 4 Number 2 1990  *Leaving it Clean* by Stephen Broni  *School Journal* Part 4 Number 3 1990  These three articles retell a 1985 adventure to retrace Scott’s route to the South Pole. Stephen Broni and others erected a hut in Cape Evans. They became shipwrecked but refused to leave until the crew was able to dismantle the hut, leaving no trace. | [Antarctica’s historic huts](https://www.sciencelearn.org.nz/resources/323-antarctica-s-historic-huts)  [Scott Base](https://www.sciencelearn.org.nz/resources/320-scott-base)  **Activity ideas**  Compare Stephen Broni’s adventures with that of Robert Scott and his crew.  [www.nzaht.org/AHT/CapeEvansP2/](http://www.nzaht.org/AHT/CapeEvansP2/)  Compare Stephen Broni’s experiences with those currently working at Scott Base, including:   * preparation prior to departure * survival training in Antarctica * clothing and gear * attitude towards the environment. |