

# ALA for Education

(Image credit: Parks Victoria)

The ALA is an excellent tool to help you teach:



**ENVIRONMENTAL  
SCIENCE**



**DATA  
SCIENCE**



**MATHEMATICS**

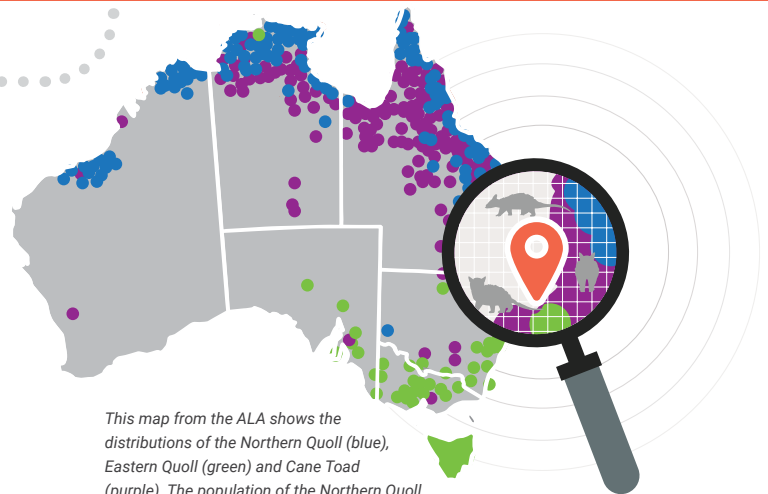


**ECOLOGY**

## Create species distribution maps

Use the ALA to explore many types of species interactions, including:

- predator-prey distributions
- plotting herbivores and their food sources
- exploring similar species that occupy the same environmental niches.



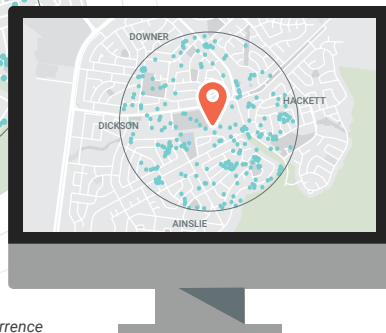
This map from the ALA shows the distributions of the Northern Quoll (blue), Eastern Quoll (green) and Cane Toad (purple). The population of the Northern Quoll has been negatively affected due to their tendency to feed on Cane Toads.

## Explore your local area

Use the ALA to view occurrence records in your local area. Use your local biodiversity information to:

- describe food webs or food chains in your area
- see what species share your environment
- see whether any endangered species live (or used to live) near you
- view the changes in biodiversity over time
- add your own collected data.

This map from the ALA shows the occurrence records within a 1km radius of a school in Canberra. Each dot represents a sighting from many possible data sources.





## Analyse how species are affected by their environment

Use the ALA to view species distributions alongside environmental layers, such as elevation, humidity, temperature and rainfall. See what conditions and ecosystems particular species prefer, and infer what might happen if environmental conditions change as predicted.



*This map from the ALA shows that the Alpine Ash (*Eucalyptus delegatensis*) (black dots) and Southern Corroboree Frog (red dots) only occur at high elevations, as indicated by the orange background layer.*



*The ALA species page for the Noisy Friarbird.*

## Access species information

Explore the ALA to view images of species, information, occurrence records on a map, conservation statuses, authoritative names and classification information, and data source information. With some species, you'll find Indigenous language names and/or sound files.

**Using the ALA not only improved my students' awareness of local biodiversity, but their knowledge and understanding too.**

**Micha Andersson**  
– STEM Teacher



**Check out our User Guides and our Education Resources here:**  
**[ala.org.au/education-resources](http://ala.org.au/education-resources)**



Contact us for more information [support@ala.org.au](mailto:support@ala.org.au)

*Litoria dentata* (Bleating Tree Frog), image by James Chan (CC-BY-NC)

