

STATE LIBRARY
OF QUEENSLAND

Year 7 Biological Sciences

Cover: Selection of databases available through State Library, 2023.

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Overview

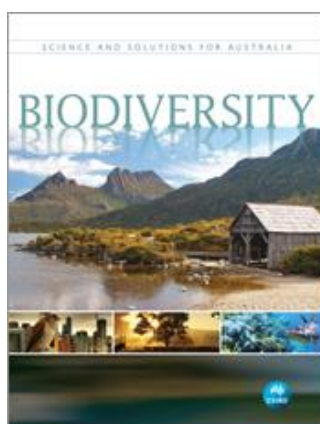
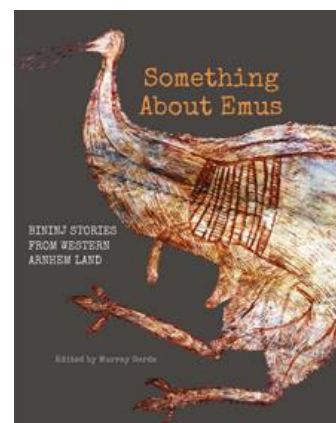
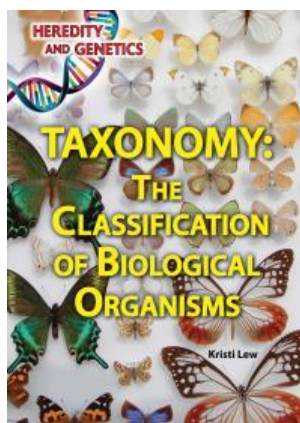
As Queensland's leading research library, State Library is a great place to find information to complete your research-based assessments.

State Library's One Search catalogue is the gateway to an extensive suite of national and international journals, databases, eBooks, encyclopedias, newspaper archives, and collections of thousands of historical images, letters, artworks, diaries, and artefacts to interrogate as sources.

Before you get started

[Become a member](#) of State Library of Queensland (it's free!). Once you have joined State Library, [log in](#) to your account in One Search so you can use the links in this research guide to access the featured collection items. You can search our [OneSearch catalogue](#) or begin exploring by clicking on some of the featured items contained in this research guide.

Featured E-Books & Publications



Order and Classification

Investigate the role of classification in ordering and organising the diversity of life on Earth and use and develop classification tools including dichotomous keys.

- Observing and identifying the similarities and differences of particular features within and between groups of organisms.
- Creating and modifying a dichotomous key to classify organisms into groups and groups within groups.
- Naming and classifying species using scientific conventions from the Linnaean hierarchical classification system, such as kingdom, phylum, class, order, family, genus, species.
- Considering the reasons for classifying living things, such as identification and communication.
- Examining how biological classification has changed over time through improvements in microscopy.
- Using provided dichotomous keys to identify organisms surveyed.
- Investigating First Nations Australians' systems of classifying living things and how these systems differ from those used by contemporary science.

Food Webs and Ecosystems

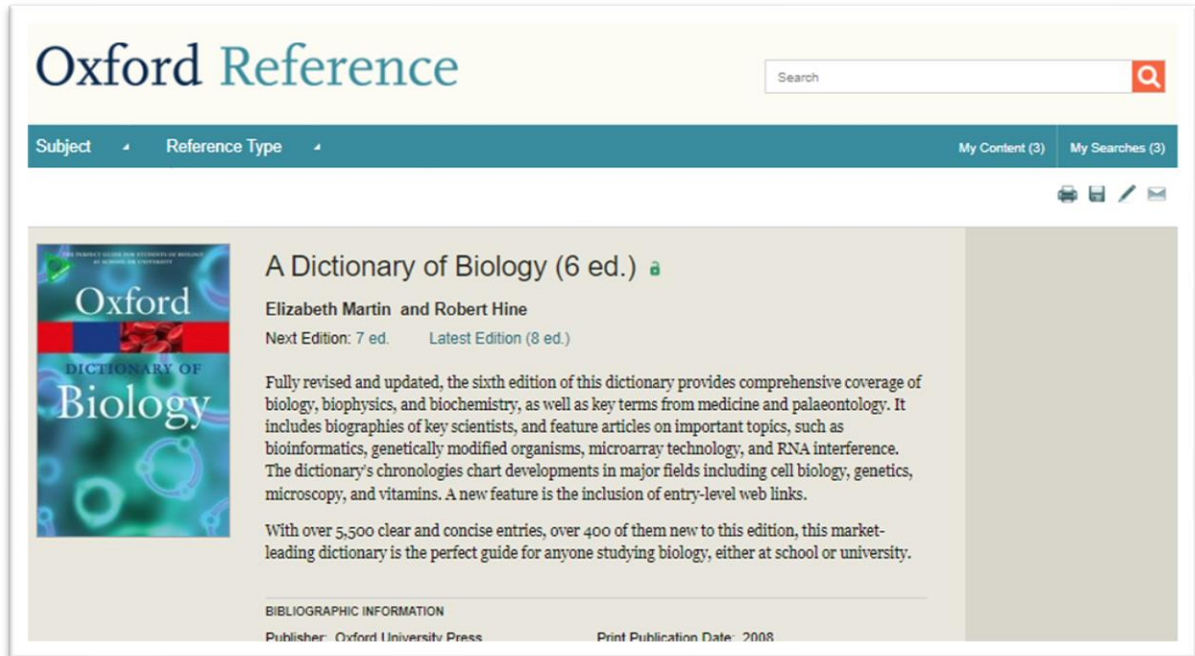
Use models, including food webs, to represent matter and energy flow in ecosystems and predict the impact of changing abiotic and biotic factors on populations.

- analysing food webs to show feeding relationships between organisms in an ecosystem and the role of microorganisms.
- modelling how energy flows into and out of an ecosystem via the pathways of food webs.
- predicting the effects on local ecosystems when living things such as pollinators or predators are removed from or die out in an area.
- examining how events such as seasonal changes, destruction of habitat or introduction of a species impact abiotic and biotic factors and cause changes to populations.
- investigating First Nations Australians' responses to invasive species and their effect on food webs that many communities are a part of, and depend on, for produce and medicine.
- considering how First Nations Australians' fire management practices over tens of thousands of years have changed the distribution of flora and fauna in most regions of Australia.

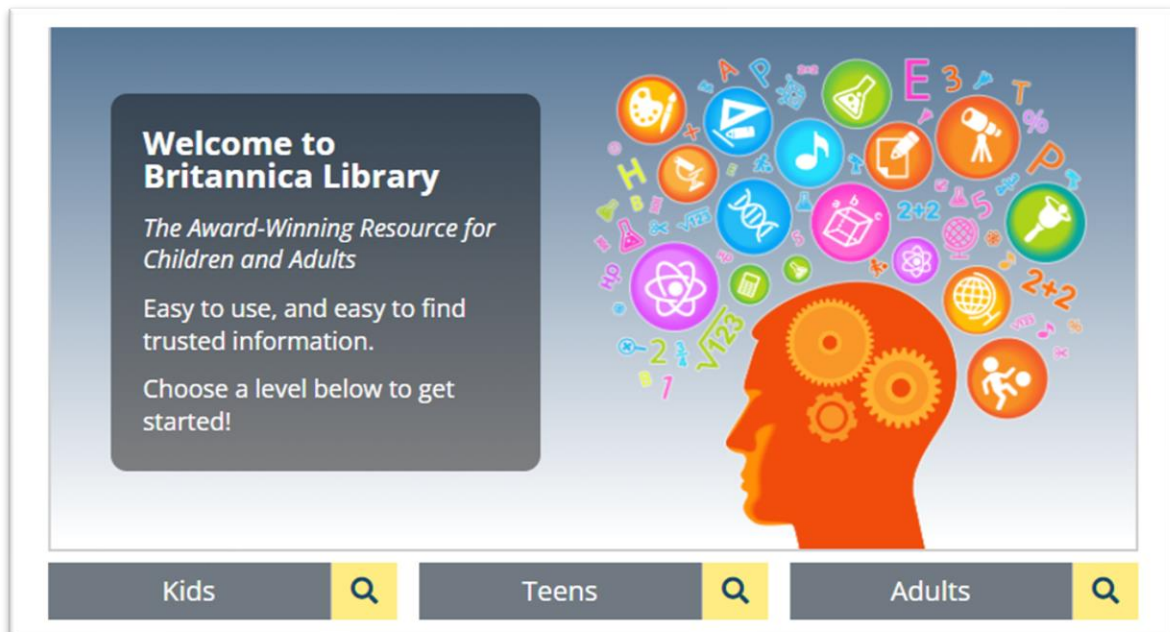
Featured Databases

For easy reference

[Oxford Reference](#) spans 25 different subject areas, bringing together 2 million digitised entries across Oxford University Press's dictionaries, companions, and encyclopedias.

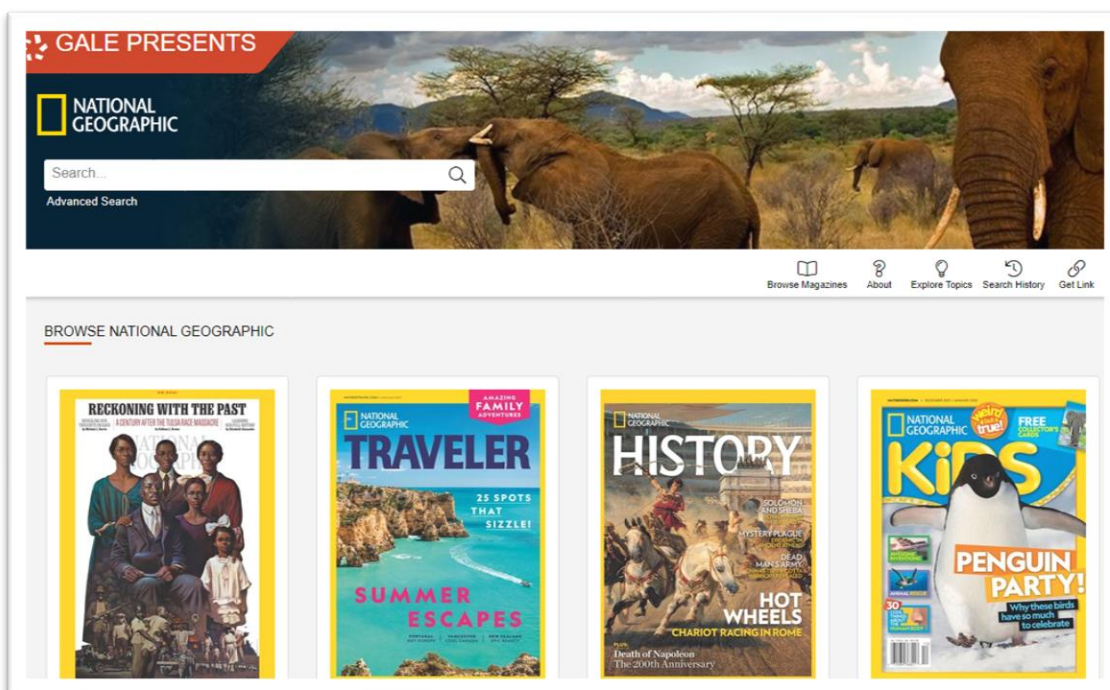


The [Britannica Library](#) has articles, images and more, with a selection of resources especially for teenagers.

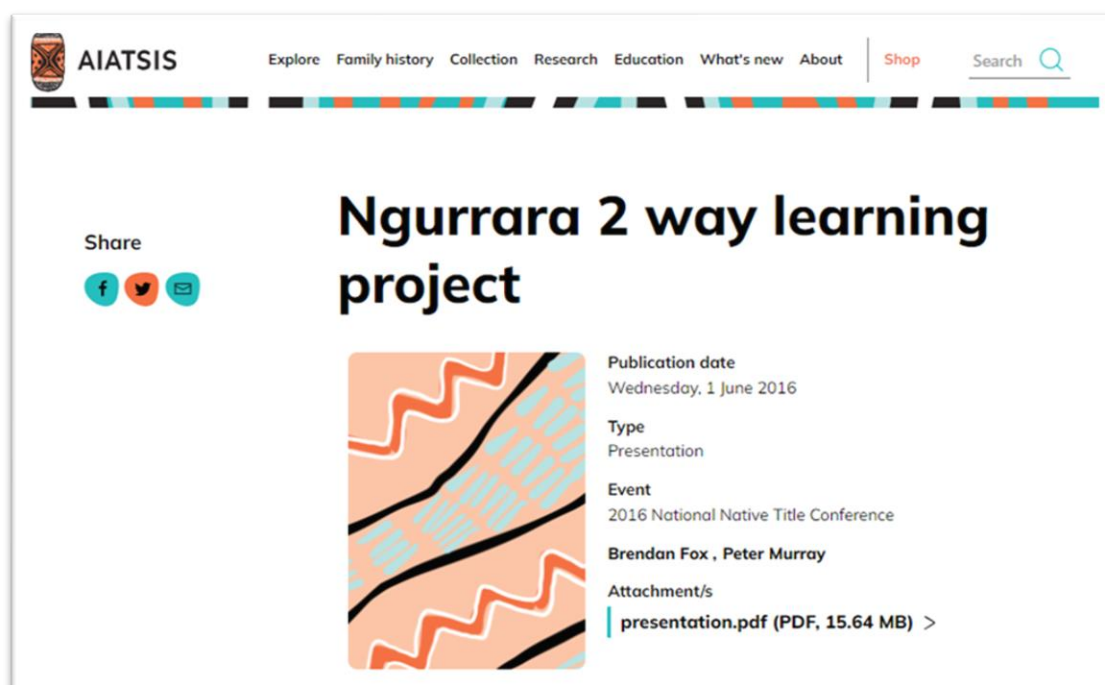


For engaging reading

[National Geographic Virtual Library](#) is a powerful tool for research offering access to over 100+ years of magazines and hundreds of books, maps, videos, and images.



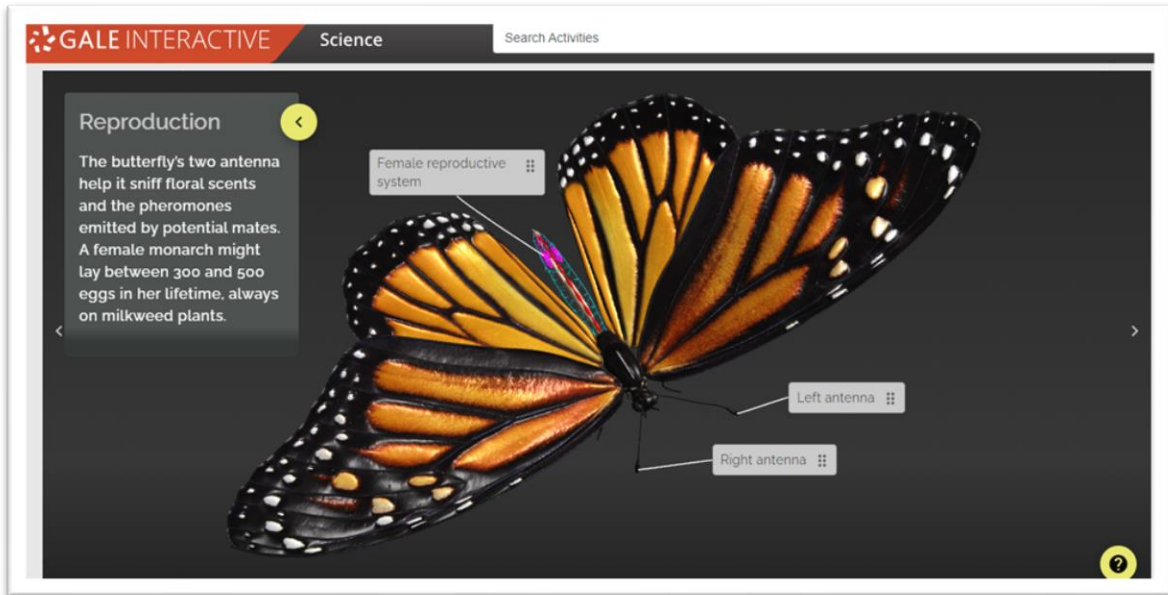
The [Australian Institute Aboriginal and Torres Strait Islander Studies](#) is a powerful tool for First Nations reading and research. Their online database and research projects can provide incredible insight into science from the First Nations perspective.



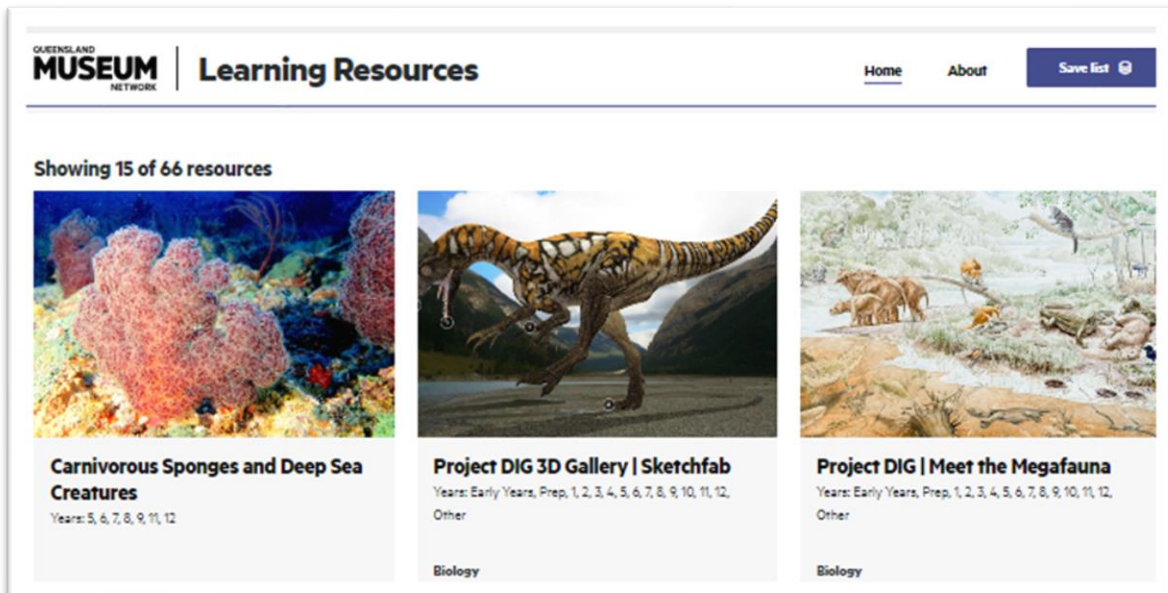
Specialist databases

Science

[Gale Interactive: Science](#) provides a comprehensive view of the most-studied science subjects. Authoritative, high-quality digital content is paired with interactive 3D models.



[Queensland Museum](#) provide Learning Resources website students with many activities, fact sheets, images, and videos.



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