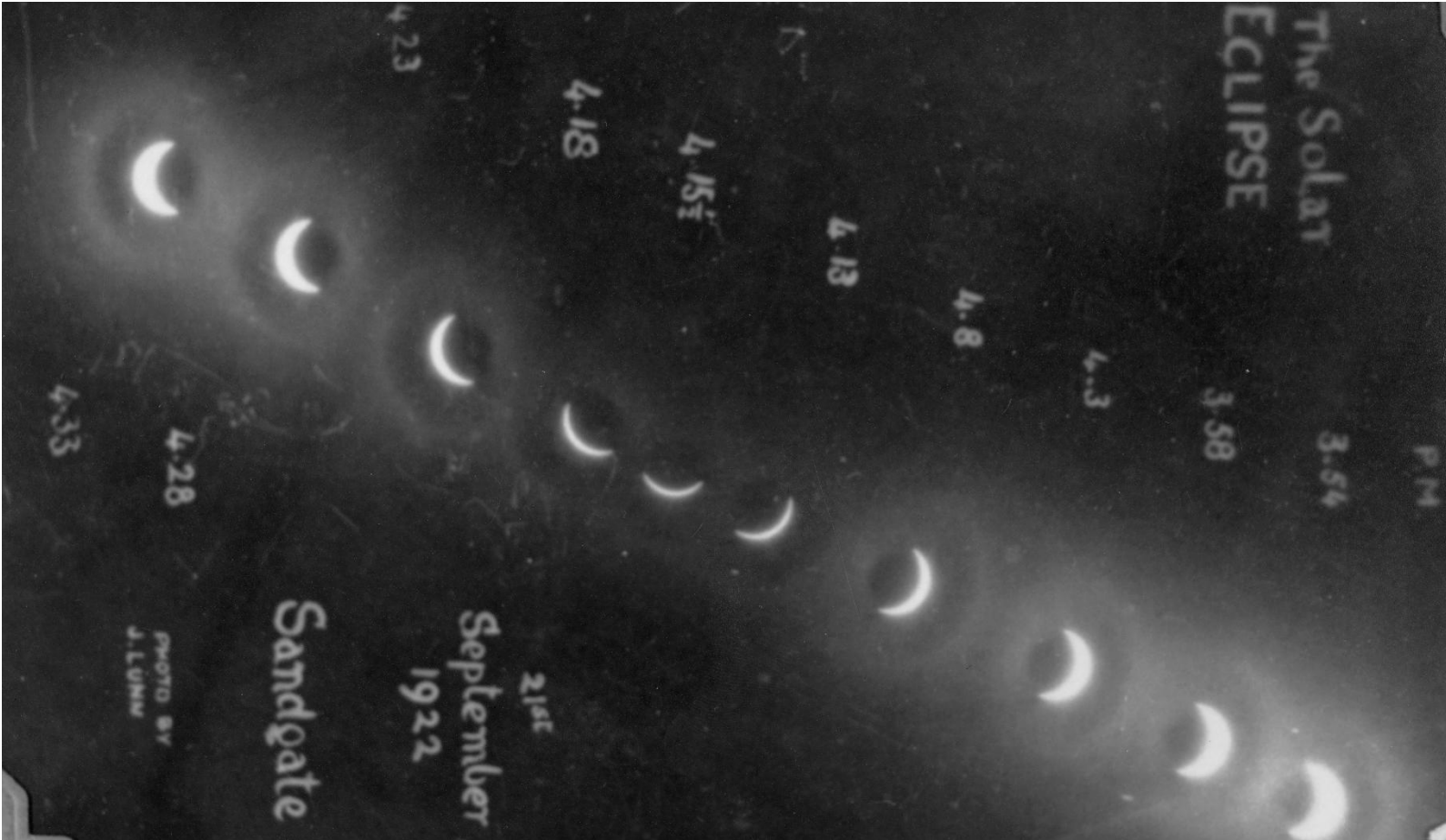




STATE LIBRARY⁷
QUEENSLAND

Year 7

Earth & Space

Sciences

Student research guide

Cover: [Solar eclipse, from Sandgate, 1922](#), J. Lunn, State Library of Queensland. Negative number: 53456.

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Date prepared: 24 November 2023

Date revised: 04 March 2026

Copyright information for teachers

This research guide is designed for individual use by students.

Please note, due to licensing arrangements, State Library of Queensland's subscription databases and ebooks are for private research and study purposes only. They may not be used as teaching resources in classroom environments in schools or other educational institutions and students must not be required to access specific databases or ebooks as part of the curriculum.

Teachers can advise students on State Library's resources and encourage their use to help with their studies and research. Students are encouraged to access State Library's resources at school, but not during class time.

Teachers are most welcome to advise students what is available via State Library, and to encourage students to make use of ebooks and databases to help with their studies. It is permissible for a teacher to demonstrate the use of State Library's catalogue, and to point out how various online material can be accessed.

It is also permissible for students to access State Library's online resources at school – but this must not be during class time. An example of permitted use might be where students have a spare period when they work on assignments or homework, and they are accessing databases as private members of State Library. Information about joining State Library is [here](#).

Please also note that State Library has digitised a range of material such as diaries, and out of copyright publications held in our collections. There are no restrictions on the use of this material as part of a teaching program – and no requirement to be a member of the library to use this material. This type of material can easily be found, [searching State Library's One Search catalogue](#) using the "SLQ digitised collections" option in the dropdown menu.

For more information about the use of copyright materials visit [Understanding copyright](#).

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.
- Complete the [Student research with State Library](#) module for a guide to navigating State Library's resources. Or visit the [One Search help page](#) for tips & tricks for searching One Search.
- You can search our [OneSearch catalogue](#) or begin exploring by clicking on some of the featured items contained in this research guide.

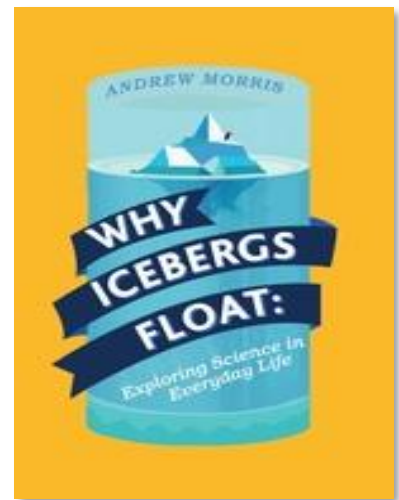
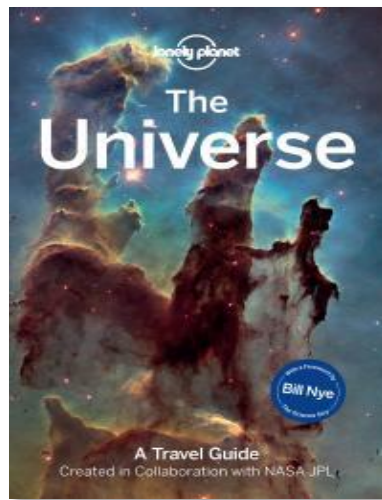
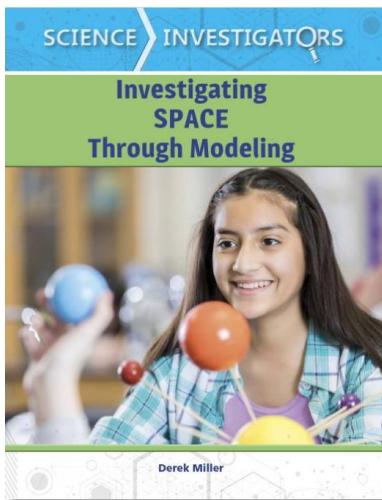
Student research with State Library

Feel more confident navigating State Library's resources to find high quality information sources for your assessments.

[Start module](#) 



Featured ebooks



Seasons, Tides and Cycles

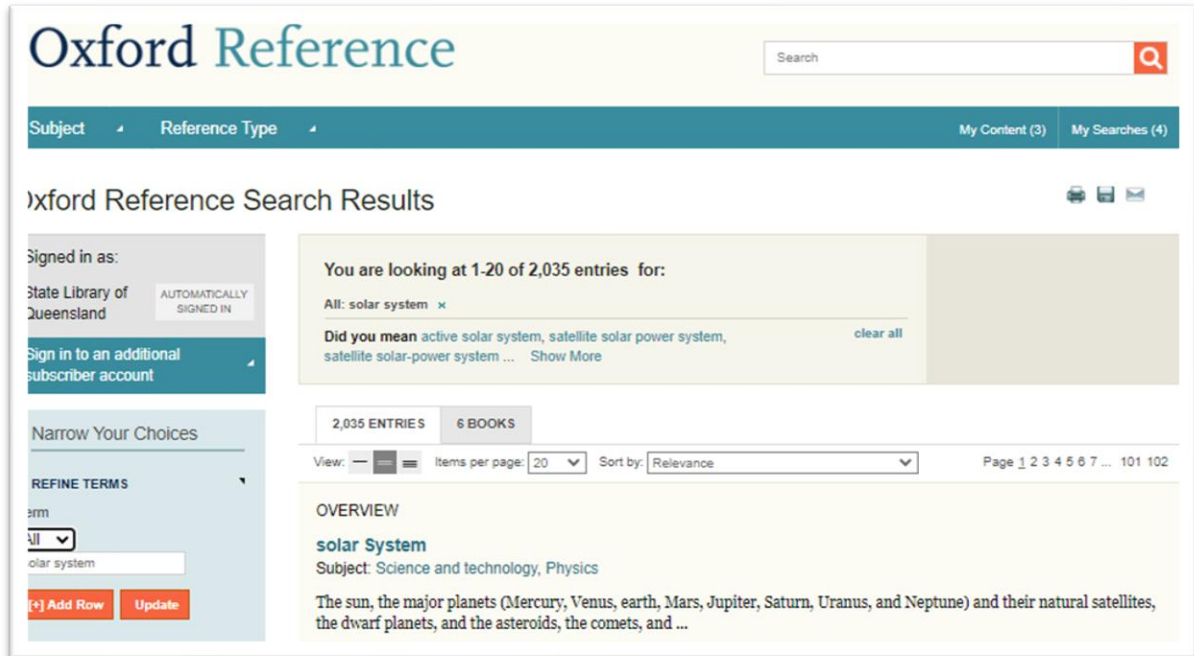
Model cyclic changes in the relative positions of the Earth, sun and moon and explain how these cycles cause eclipses and influence predictable phenomena on Earth, including seasons and tides.

- Using physical models or virtual simulations to explain how Earth's tilt and position relative to the sun causes differences in light intensity on Earth's surface, resulting in seasons.
- Examining the effect of the gravitational attraction of the moon and the sun on Earth's oceans and describing how the relative positions of the moon and sun with respect to Earth result in tidal variations.
- Using physical models or virtual simulations to explain the cyclic patterns of lunar phases and eclipses of the sun and moon.
- Researching knowledges held by First Nations Australians regarding the phases of the moon and the connection between the lunar cycle and ocean tides.
- Investigating First Nations Australians' calendars and how they are used to predict seasonal changes.
- Researching First Nations Australians' oral traditions and cultural recordings of solar and lunar eclipses and investigating similarities and differences with contemporary understandings of such phenomena.

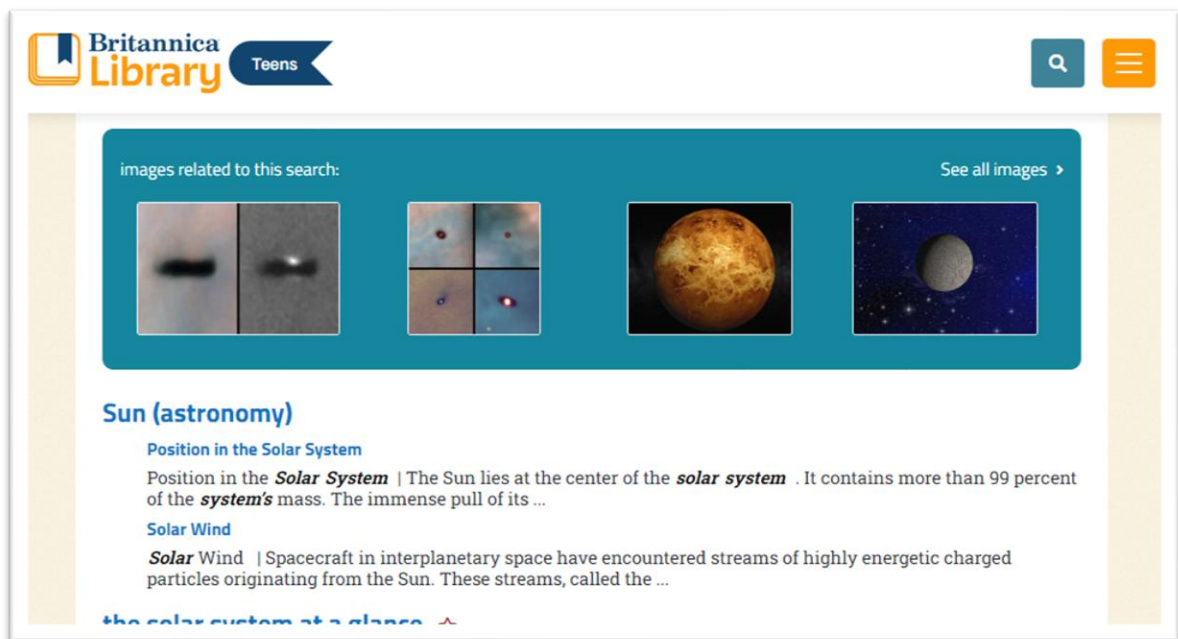
Featured Databases

For easy reference

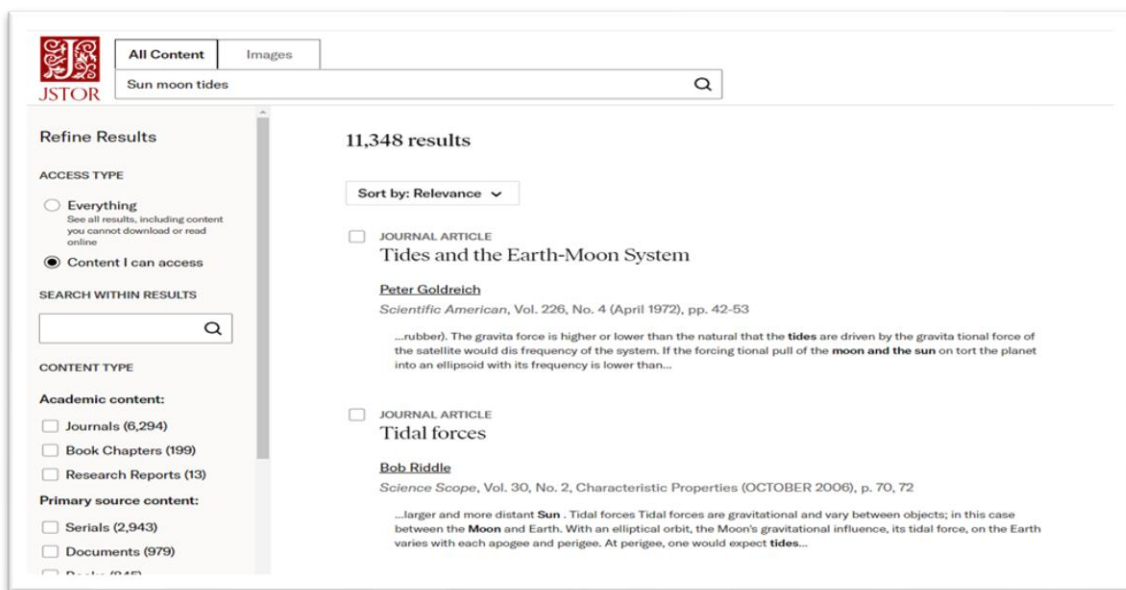
[Oxford Reference](#) spans 25 different subject areas, bringing together 2 million digitised entries across Oxford University Press's dictionaries, companions, and encyclopedias.



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

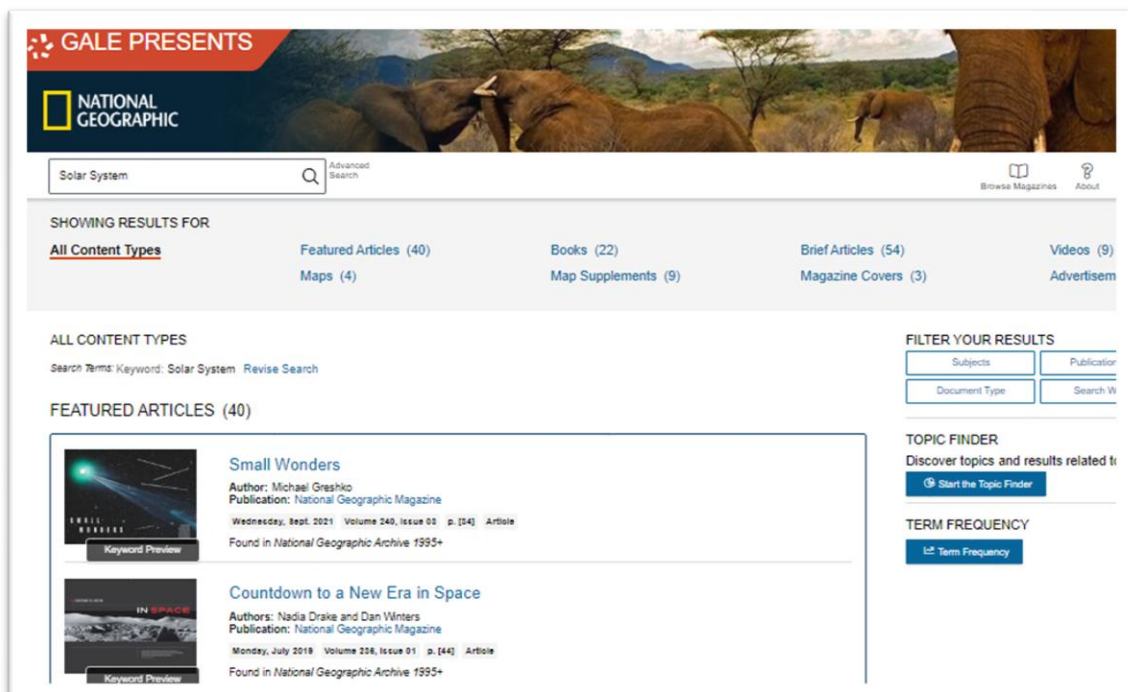


[JSTOR](#) provides access to more than 12 million scholarly journal articles and ebooks, and is especially good for primary sources.



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.



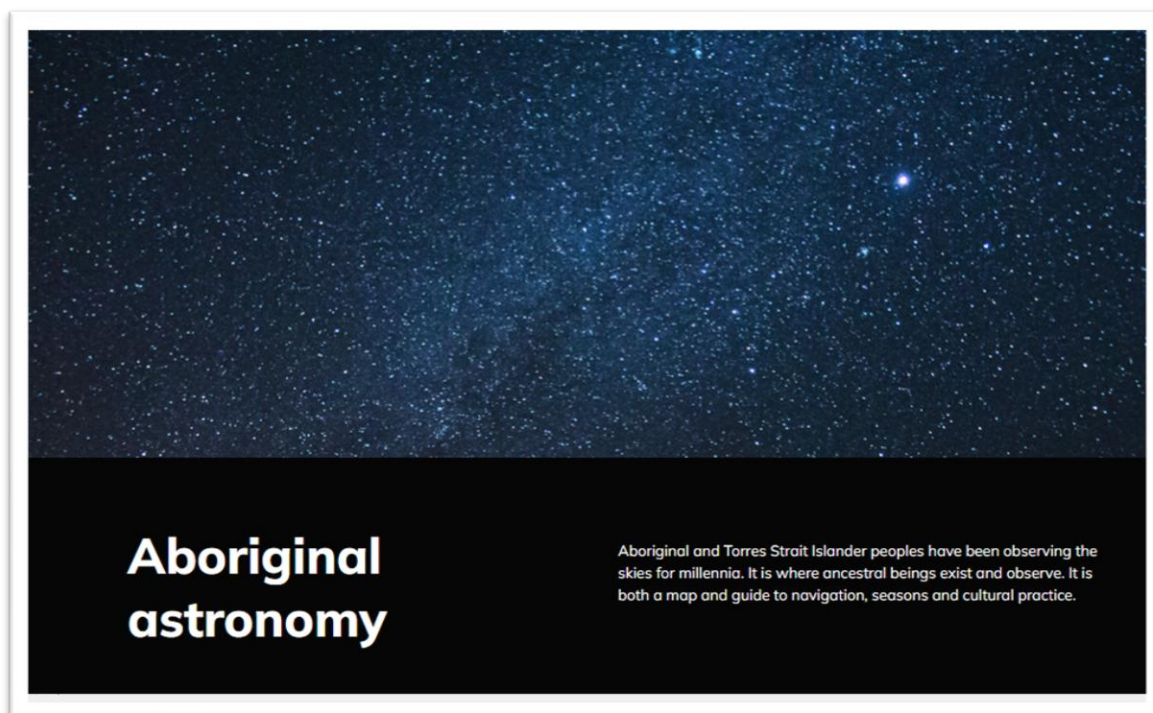
[Gale Interactive: Science](#) provides a comprehensive view of the most-studied science subjects. Authoritative, high-quality digital content is paired with interactive 3D models.

The screenshot shows the Gale Interactive Science website interface. At the top, there's a search bar with 'solar system' entered. Below the search bar, there's a 'FILTER BY CATEGORY' section on the left with various science topics like Biology, Chemistry, Earth Science, etc. On the right, under '43 SEARCH RESULTS', several topics are listed with corresponding images and brief descriptions, including Solar System, Sun, Digestive System, Urinary System, Respiratory System: Alveoli, and Male Reproductive System.

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

The screenshot shows the Queensland Museum Learning Resources website. The header includes the Queensland Museum logo and 'Learning Resources'. Below the header, there's a section titled 'Showing 15 of 66 resources'. Three resource cards are visible: 'Carnivorous Sponges and Deep Sea Creatures', 'Project DIG 3D Gallery | Sketchfab', and 'Project DIG | Meet the Megafauna'. Each card features an image related to the resource and a brief description.

[Australian Institute of Aboriginal and Torres Strait Islander Studies](#) is a resource-rich platform providing insight to the knowledge and programs driven by First Nations knowledge and culture.



More research

Borrow items

Order items online through State Library's One Search catalogue and [borrow items from State Library's collections](#) when you visit us onsite.

Ask a librarian

[State Library staff](#) are available to advise on keywords and search strategies and suggest databases to help you carry out independent research.

Please note that librarians can guide and support your research process, but they cannot complete your assessment, select sources for you or provide answers to assessment questions.