

STATE LIBRARY
OF QUEENSLAND

Year 7 Earth & Space Sciences

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

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Copyright information for teachers

This research guide is designed for individual use by students.

Please note, due to licensing arrangements, State Library'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 the State Library. Information about joining the 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. They are easily findable searching our catalogue using the "SLQ digitised collections" option in the dropdown menu.

For other information visit [Understanding copyright](#) or contact State Library at copyright@slq.qld.gov.au

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.

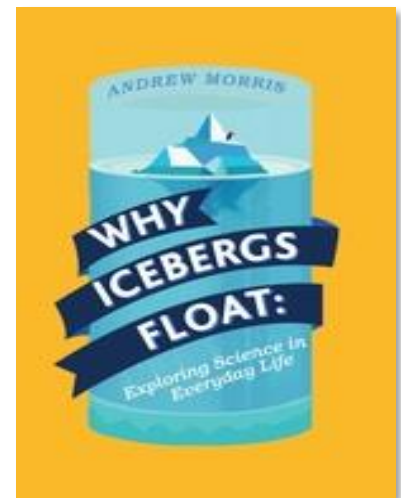
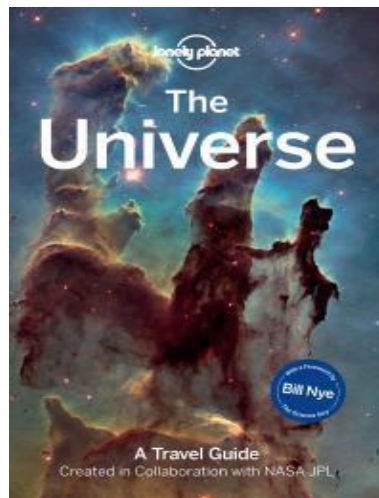
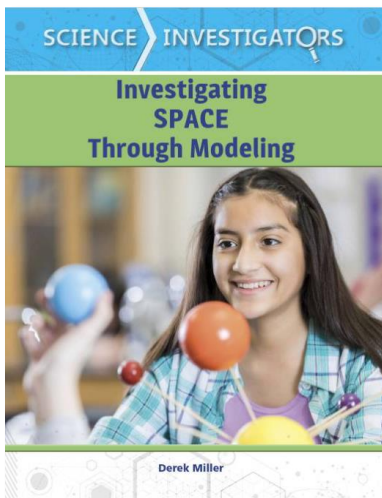
Before you get started

[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



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 screenshot shows the Oxford Reference search results page. At the top, the 'Oxford Reference' logo is on the left, and a search bar is on the right. Below the logo, there are navigation tabs for 'Subject' and 'Reference Type'. The search results are for 'solar system', showing 2,035 entries and 6 books. The page includes a 'Narrow Your Choices' section on the left with 'REFINE TERMS' and a search bar. The main content area shows the search results, including a 'Did you mean' suggestion and an 'OVERVIEW' section for 'solar System' with a subject classification of 'Science and technology, Physics' and a brief description of the solar system.

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

The screenshot shows the Britannica Library search results page for 'Sun (astronomy)'. The page features the Britannica Library logo and a 'Teens' tag. Below the search bar, there is a section titled 'images related to this search:' with four image thumbnails. The main content area is titled 'Sun (astronomy)' and includes a sub-section 'Position in the Solar System' with a brief description of the Sun's position and mass in the solar system. Below this, there is a section for 'Solar Wind' with a brief description of its nature and effects on spacecraft.

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

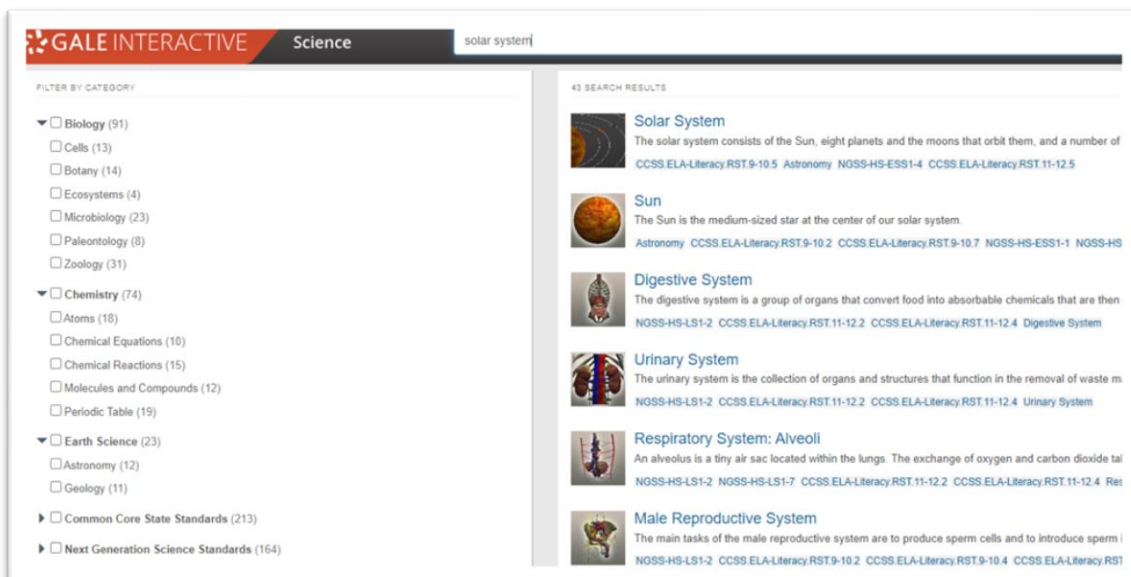
The screenshot shows the JSTOR search results page for the query "Sun moon tides". The page displays 11,348 results. On the left, there is a "Refine Results" sidebar with options for "ACCESS TYPE" (Everything, Content I can access), "SEARCH WITHIN RESULTS", and "CONTENT TYPE" (Academic content: Journals, Book Chapters, Research Reports; Primary source content: Serials, Documents). The main results area shows two entries: "Tides and the Earth-Moon System" by Peter Goldreich and "Tidal forces" by Bob Riddle. Each entry includes the journal name, volume, issue, and page numbers, along with a brief abstract snippet.

For engaging reading

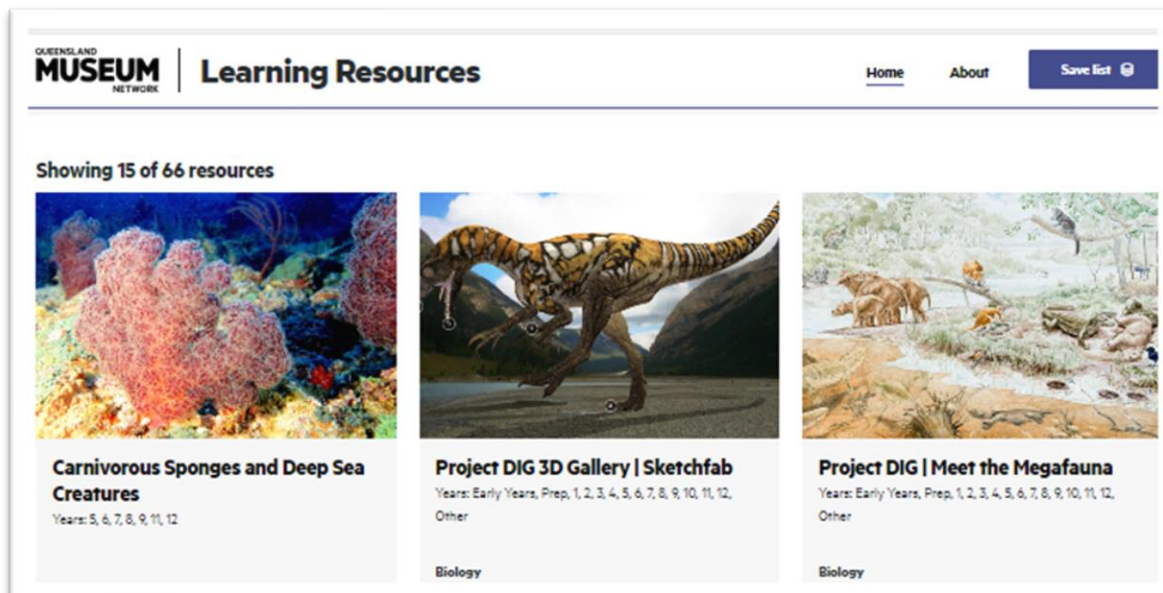
[National Geographic Virtual Library](#) is a powerful tool for research offering access to over 100+ years of magazines and hundreds of books, maps, videos, and images.

The screenshot shows the National Geographic Virtual Library search results page for the query "Solar System". The page features a header with the National Geographic logo and a search bar. Below the search bar, it displays "SHOWING RESULTS FOR" with various content types: All Content Types, Featured Articles (40), Maps (4), Books (22), Map Supplements (9), Brief Articles (54), Magazine Covers (3), Videos (9), and Advertisements. The "ALL CONTENT TYPES" section shows the search terms "Keyword: Solar System" and a "Revise Search" option. The "FEATURED ARTICLES (40)" section highlights two articles: "Small Wonders" by Michael Greshko and "Countdown to a New Era in Space" by Nadia Drake and Dan Winters. The "FILTER YOUR RESULTS" section includes options for Subjects, Publication, Document Type, and Search W. The "TOPIC FINDER" section offers a "Start the Topic Finder" button, and the "TERM FREQUENCY" section offers a "Term Frequency" button.

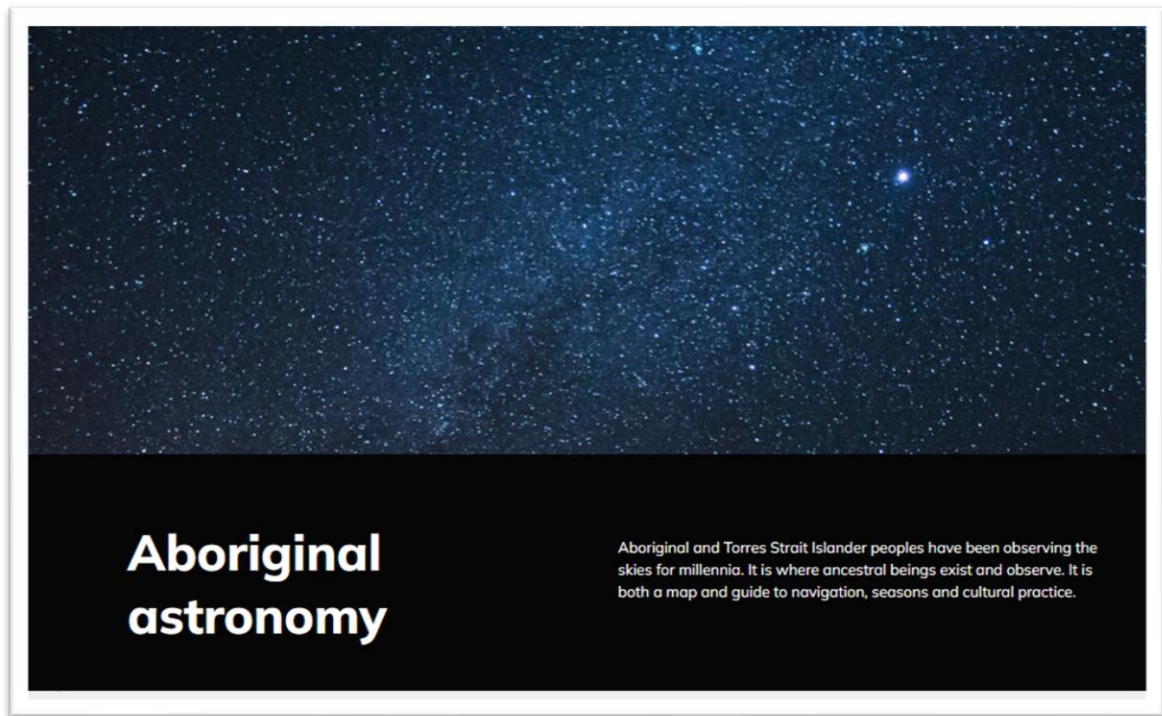
[Gale Interactive: Science](#) provides a comprehensive view of the most-studied science subjects. Authoritative, high-quality digital content is paired with interactive 3D models.



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



[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.



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Ask a librarian

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