

Scope Statement:

This subject guide details resources which would fall under the general sciences heading. More detailed or subject specific information can be provided upon request. Additionally, state employees can contact the State Library for more information about available services, reference help and publications at 614-644-7051 or refhelp@library.ohio.gov.

Electronic Collections:

- **OhioLINK- Electronic Journal Center (EJC):** Full text of 7000+ research journals.
- **Academic Search Complete (EBSCO):** Academic Search Complete provides access to more than 7,100 full-text periodicals, including more than 6,100 peer-reviewed journals. In addition to full text, this database offers indexing and abstracts for more than 11,200 journals and a total of more than 11,700 publications including monographs, reports, conference proceedings, etc. The database features PDF content going back as far as 1887, with the majority of full text titles in searchable PDF format.
- **MasterFILE (EBSCO):** This multidisciplinary database provides full text for nearly 1,700 general reference publications with full text information dating as far back as 1975. Covering virtually every subject area of general interest, *MasterFILE Premier* also contains full text for nearly 500 reference books and over 164,400 primary source documents, as well as an Image Collection of over 502,000 photos, maps & flags.
- **Computers and Applied Sciences Complete (EBSCO):** Computers & Applied Sciences Complete covers the research and development spectrum of the computing and applied sciences disciplines. CASC provides indexing and abstracts for more than 1,900 academic journals, professional publications, and other reference sources from a diverse collection. Full text is also available for more than 840 periodicals.

eJournals/eBooks:

Title	Collection	From
American Scientist	MasterFILE (EBSCO)	2002
Discover	Academic Search Complete (EBSCO)	1985
Electronics Weekly	Computers and Applied Sciences (EBSCO)	2002
Issues in Science and Technology	Academic Search Complete (EBSCO)	1990
Popular Science	MasterFILE (EBSCO)	2002
Science & Society	Academic Search Complete (EBSCO)	1990
Science Activities	Academic Search Complete (EBSCO)	1990
Science News	Academic Search Complete (EBSCO)	1975
Scientific American	Academic Search Complete (EBSCO)	2005
SciTech Book News	Academic Search Complete (EBSCO)	2003
Sky & Telescope	Academic Search Complete (EBSCO)	1994
Water Science & Technology	Academic Search Complete (EBSCO)	2007

Federal and Commercial Websites:

- **Science.Gov** (<http://www.science.gov/>): Science.gov searches over 42 databases and over 2000 selected websites from 14 federal agencies, offering 200 million pages of authoritative U.S. government science information including research and development results. Science.gov is governed by the interagency Science.gov Alliance
- **National Science Foundation** (<http://www.nsf.gov/>): The National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 "to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense..."

New Books at the State Library:

- Abraham, Spencer. *Lights Out: Ten Myths About (and Real Solutions To) America's Energy Crisis*. New York: St. Martin's Press, 2010. Print.
- Graetz, Michael J. *The End of Energy: The Unmaking of America's Environment, Security, and Independence*. Cambridge, Mass: MIT Press, 2011. Print.
- Johnsen, Carolyn. *Taking Science to the People: A Communication Primer for Scientists and Engineers*. Lincoln: University of Nebraska Press, 2010. Print.
- Lloyd, Donal B. *The Smart Guide to Geothermal: How to Harvest Earth's Free Energy for Heating & Cooling*. Masonville, CO: PixyJack Press, 2011. Print.
- Oreskes, Naomi, and Erik M. Conway. *Merchants of Doubt: How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming*. New York: Bloomsbury Press, 2010. Print.
- Otto, Shawn. *Fool Me Twice: Fighting the Assault on Science in America*. New York: Rodale, 2011. Print.
- Spellman, Frank R, and Joni Price-Bayer. *In Defense of Science: Why Scientific Literacy Matters*. Lanham: Government Institutes, 2011. Internet resource.
- Tancs, Linda A. *Understanding Patent Law: A Beginner's Guide*. New York: Oceana, 2010. Print.

Library of Congress Classification/Dewey Classification:

- Library of Congress: Q- Science (General); QB- Astronomy; QC- Physics; QD- Chemistry; QE- Geology; QH- Biology; QK- Botany; QL- Zoology; QM- Human Anatomy; QP- Physiology; QR- Microbiology; GC- Oceanography; GE- Environmental Science; T- Technology (General)
- Dewey Decimal System: 500- Natural Sciences and Mathematics; 530- Physics; 540- Chemistry & Allied Sciences; 550- Earth Sciences; 570- Life Sciences; 580- Plants; 600- Technology & Applied Sciences; 630- Agriculture;

Search Terms:

- Science
 - Cognitive Science
 - Artificial Intelligence
 - Computer Science
 - Environmental Sciences
 - Ecology
 - Metrology
 - Measurement
 - Weights and Measures
 - Physical Sciences
 - Astronomy
 - Chemistry
 - Earth Science
 - Electronics
 - Materials Sciences
 - Physical Laws
 - Physics
 - Space Science
 - Astronautics
 - Sports Sciences
 - Sports Medicine
 - Technology
- Natural Science