



Science Education

Defined: An area of professional education including facilities, curriculum, and teacher education as these relate to education in science

Locating Books for Science Education:

The University Libraries Catalog (<http://library.ua.edu>) provides call number and location of books in McLure Education Library, as well the Gorgas Main Library and the Business, Science and Health Libraries. Here are a few Library of Congress (LC) Subject Headings and Call Numbers to get your search started:

Subject Heading	Call Numbers	Subject Heading	Call Numbers
Science–General	Q 1-Q 295	Astronomy–General	QB 1-QB 139
Science–Experiments	Q 164-Q 183	Physics–General	QC 1-QC 75
Science–Study and Teaching	Q 181	Geology–General	QE 1-QE 350
		Biology–General	QH 300-QH 358

Teaching and curriculum resources (textbooks, curriculum guides, ideas guides, etc) can also be found by browsing the catalog for items with **CURR.MAT** and **SCI.SUPP.** call number designations. These materials are located on the basement level of McLure Library.

School Library Collection

McLure Library also maintains the *School Library Collection*, containing fiction and non-fiction materials for children. Materials in this collection can be found by browsing the catalog for items with **SCH.LIB.** call number designation. These materials are located on the basement level of McLure Library.

Rodgers Science and Engineering Library

Additional Science related materials can be found at the Rodgers Science and Engineering Library (corner of Hackberry Lane and Campus Drive).

Locating Science Education Journals:

The University Libraries Catalog (<http://library.ua.edu>) provides call number and location information on journals held by University Libraries. It also provides a link to extensive databases holdings. The following databases are most appropriate for those seeking Science Education information:

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| Expanded Academic ASAP | Web of Science |
| PSYCInfo | Biological Abstracts |
| Applied Science and Technology Index | Education Full Text |
| Biological and Agricultural Index Plus | ERIC |
| Academic Search Premier | General Science Index |
| Professional Development Collection | |

Locating Science Education Journals (cont.):

Science Education Journals held By McLure Education Library

Journal	Call Number	Journal	Call Number
American Biology Teacher	QH 1.A275/ ONLINE	Science Activities	Q 181.A1 S29/ ONLINE
Journal of Environmental Education	S 946.E54/ ONLINE	Science and Children	LB 1585.A1 S3/ ONLINE
Journal of Research in Science Teaching	Q 181.A1 J6/ ONLINE	Science Teacher	Q 181 S38/ ONLINE
School Science and Mathematics	Q 11.S28/ ONLINE		

NOTE: McLure Library holds current issues in the Reading Room. Bound Volumes are shelved on the 2nd Floor, directly behind the Reference Area.

Reference Works by Subject/Title/Call Number:

Curriculum Reference:

Alabama Course of Study: Science On Reserve

Science Education Reference:

Encyclopedia of Education, 2d Ed	REF LB 15.E47 2003
Encyclopedia of Educational Research	REF LB 15.E48 1992
Science Books for Young People	REF Q 163.S365 1996x
Handbook of Research on Science Teaching And Learning	REF Q 181.A1 H35 1994
Educators Guide to Free Science Materials	REF Q 181.A1.E3
National Contexts for Math and Science Education	REF Q 181.N37
Science Experiments Index for Young People	REF Q 182.3.P55
Designs for Science Literacy	REF Q 183.3.A1 D48 2001
Resources for Science Literacy	REF Q 183.3.A1 P76 1997

Science Education Bibliography:

E for Environmental	REF Z 1037.9.S57
Mental Measurements Yearbook	REF Z 5814.P8 B932
Earth Works	REF Z 5863.P6 D88
Science &Technology in Fact & Fiction: a Guide to Children's Books	REF Z 7401.K46 1990
Science &Technology in Fact & Fiction: a Guide to Young Adult Books	REF Z 7401.K46 1990b
Best Science and Technology Reference Books for Young People	REF Z 7401.M277

Supplementary Curriculum Materials:

Beyond materials listed in the Library Catalog, McLure Library also carries the *Kraus Curriculum Development Library*. This collection is available on microfiche and is located next to the ERIC microfiche on the basement level of McLure Library. The curriculum guides in this collection were selected at Annual meetings of the Association for Supervision and Curriculum Development (www.ascd.org).

Useful Subjects/Keywords to use for searches:

Science (SCI), Environment/Ecology (ENV) and Health/Safety (HS)

Internet Resources:

National Center for Science Education (NCSI)

www.ncseweb.org

NCSI is an organization working to defend the teaching of evolution. NCSI also works to increase public understanding of evolution and science "as a way of knowing," and offers programs to help teachers who want to improve their teaching of evolution.

National Institute for Science Education (NISE)

www.wcer.wisc.edu/nise/

The National Science Foundation's National Institute for Science Education (NISE) was funded in 1995 for five years as a cooperative agreement. NSF directed the Institute to "address the totality of the [science] education enterprise, to assess its effectiveness, and examine what new activities need to be established, what activities are no longer needed, and what new approaches will enhance science education."

Electronic Journal of Science Education

ejse.southwestern.edu/

The Electronic Journal of Science Education is a peer reviewed electronic journal devoted to the timely sharing of science education material via the World Wide Web. Archive Page is available at **www.unr.edu/homepage/jcannon/ejse/ejse.html**

National Science Teachers Association (NSTA)

www.nsta.org

The National Science Teachers Association (NSTA), founded in 1944 and headquartered in Arlington, Virginia, is the largest organization in the world committed to promoting excellence and innovation in science teaching and learning for all.

Yahoo Science Education

<http://dir.yahoo.com/Science/Education/>

The Yahoo Science Education page will lead you to resources on a wide variety of science and science education topics. Very useful as a jumping off point for further exploration.