



Mathematics Education

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

Locating Books for Mathematics 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
Mathematics (whole field)	QA	Geometry	QA 440-QA 699
Mathematics-Study and Teaching	QA 11	Geometry-Study and Teaching	QA 461-QA 462
Mathematics-Study and Teachings (Elementary)	QA 135.5	Calculus	QA 303
Mathematics-Study and Teachings (Secondary)	QA 11-QA 13 QA 35-QA 37	Algebra	QA 150-QA 255
Arithmetic.	QA 141-QA 145	Algebra-Study and Teaching	QA 159

Teaching and curriculum resources (textbooks, curriculum guides, ideas guides, etc) can also be found by browsing the catalog for items with **CURR.MAT** and **MATH. 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.

Locating Mathematics 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 Mathematics Education information:

Expanded Academic ASAP	Education Full Text
Professional Development Collection	ERIC
Academic Search Premier	PSYCInfo

Locating Mathematics Education Journals (cont.):

Mathematics Education Journals held By McLure Education Library

Journal	Call Number	Journal	Call Number
Educational Studies in Mathematics	QA 1.E35/ ONLINE	Journal for Research in Mathematics Education	QA 11.A1 J68/ ONLINE
Mathematical Thinking and Learning [electronic resource].	ONLINE-check catalog for details	Mathematics Teacher [electronic resource].	QA 1.N28/ ONLINE
The College Mathematics Journal [electronic resource]	ONLINE-check catalog for details	Mathematics Teaching in the Middle School	QA 13 M37/ ONLINE
Teaching Children Mathematics	QA 135.A6/ 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: Mathematics MATH. SUPP. E no. 205

Mathematics Education Reference:

Encyclopedia of Education, 2d Ed REF LB 15.E47 2003
Encyclopedia of Educational Research REF LB 15.E48 1992
Encyclopedia of Mathematics Education REF QA 11.E665 2001
Handbook of Research on Teaching REF LB 1028. H315 2001
National Contexts for Mathematics and Science Education QA 181.N37

Mathematics Education Bibliography:

Mental Measurements Yearbook REF Z 5814.P8 B932

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).

Internet Resources:

Math Archives-University of Tennessee
archives.math.utk.edu/

Subject-based collection of links and materials, including lesson plans, professional resources. Be sure to check out 'Topics in Mathematics' for a subject based directory.

Math.com

www.math.com

Math.com is dedicated to providing revolutionary ways for students, parents, teachers, and everyone to learn math. In addition to assessment, on-demand modular courses that target key math concepts, 24/7 live online tutoring, and expert answers to math questions, Math.com offers exploratory and recreational introductions to the world of math.

Math Forum's Math Library

www.mathforum.org/library

Maintained by Drexel University provides topical links to math, teaching resources and teaching topics