



# University of Wyoming LIBRARIES

## Finding Articles in Math Education

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### Browsing:

- Browse journals in your field to get ideas for topics or articles to jumpstart your research
- Scan reference lists or bibliographies to find more articles on your topic
- Some journals may be browsed online using our E-Journals list
- Browse encyclopedias or other reference books for topic ideas, keywords, or background information

Here are examples of journals. Math education falls into two subject areas; some journals will be shelved with education journals at Coe. Others are with the math journals at the Science Library:

<i>Journal for Research in Mathematics Education</i>	LB 1534.J68	Coe
<i>Teaching Children Mathematics</i>	LB 1589.T42	Coe
<i>Mathematics Teaching in the Middle School</i>	LB 1645.M38	Coe
<i>Mathematics Teacher</i>	QA1.N28	Science
<i>Mathematics in School</i>	QA1. M782	Science
<i>School Science and Mathematics</i>	Q1 .S28	Science
<i>Educational Studies in Mathematics</i>	QA1 .E35	Science and online

### Searching using an index:

- More efficient than browsing journals if you have a topic in mind; searches multiple journals at once
- Select “off-campus access” to get to full text sources if UW is not your ISP
- Indexes also cover journals UW doesn’t have. Allow 2-3 weeks to get materials from other libraries

### Starting point for searching:

<http://www-lib.uwyo.edu>

- To see what books, journals, newspapers, videos, etc., the library owns, use Books & More
- To find articles, go to Articles & More

**TIP:** To see if the Libraries subscribe to a particular journal or magazine, search the catalog (Books & More) first. Both print and electronic subscriptions are cataloged. If it's not there, then search Ejournal (Articles & More).

The screenshot shows the University of Wyoming Libraries website. At the top, there is a banner with the text "University of Wyoming Libraries" and a background image of a library interior. Below the banner, there is a navigation menu with several links: "Books & more" (library catalog, renewals...), "Articles & more" (databases, Ejournal...), "Subject resources" (guides, tutorials...), "Reference tools" (online dictionaries, encyclopedias...), "Library services" (interlibrary loan form, reserves...), and "UW libraries" (collections, contacts...). To the right of the navigation menu, there is a "See the LibQual+ survey results." link. Below the navigation menu, there is a "Ask Us!" search box with the text "get answers quickly" and a list of search topics: "digital projects", "why private support?", "hours", "off-campus access", "other libraries", and "T.I.P. tutorial". Arrows point from the text on the left to the "Books & more" link, the "Articles & more" link, and the "Ask Us!" search box.

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### Databases to try:

- **ERIC** (Educational Resources Information Center) is the *biggest* index for education literature. Lots of limiting features and a thesaurus that lists descriptors (subject headings); also freely available at <http://www.eric.ed.gov> (does not link to full text journals like EBSCOhost version)
- **Academic Search Premier** has lots of full text across many subjects; more current than ERIC
- **Education Abstracts**—indexes some things not in ERIC; restricted to one user at a time
- **PsycInfo**—psychology database covers learning, cognition
- **Wilson OmniFile**—this database has the full text of some older mathematics journals (pre-2004)

### Searching tips:

- You can search ERIC and Academic Search Premier (or other EBSCO databases) simultaneously
- Use **keywords** like addition, multiplication, fractions, ratios, etc.
- In this assignment, you're more interested in how children learn concepts than you are in finding fun activities, so **add the term "concept"** (searches concept, concepts, conceptual)
- Optional: narrow by educational level (elementary, preschool, middle school)
- In ERIC,
- Different databases respond differently to different keywords.
  - Good terms for ERIC: "elementary school mathematics;" "cognitive development;" "mathematical concept;" "concept formation;" comprehension"
  - Good terms for Education Abstracts: "teaching methods;" "conceptual learning"
- Most database records include a list of descriptors (subject headings). If you find one article you really like, try using some of that article's descriptors in your next search

### ERIC hints:

ERIC selectively indexes journals, as well as research reports, books, and other materials. Each item has an ERIC number. "EJ" indicates a journal article; "ED" indicates other materials. Limiting to journals makes your list of results shorter and more relevant for the assignment.

### Citing Resources:

Failure to acknowledge your sources (published or unpublished) is plagiarism. For help citing sources, see

- *Citation Machine*: plug in the author's name, etc., and the machine "builds" the citation for you; <http://citationmachine.net/>; not 100% accurate, so proofread citations using one of the following sources as a guide
- *Publication Manual of the American Psychological Association*, 5<sup>th</sup> ed. Ref Ready BF76.7 .P83 2001
- *Using American Psychological Association (APA) Format (updated to 5<sup>th</sup> Edition)* from Purdue's Online Writing Lab (OWL) [http://owl.english.purdue.edu/handouts/research/r\\_apa.html](http://owl.english.purdue.edu/handouts/research/r_apa.html)
- *Research and Documentation Online* (Diana Hacker): <http://www.dianahacker.com/resdoc/>