

## EDEL 316 and EDEL 415 Elementary School Mathematics Library and Information Resources

### Searching for Books, Kits, and Audiovisuals

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In the Library's catalogue (go to [www.mhc.ab.ca/library](http://www.mhc.ab.ca/library) and select **Books and Audiovisuals**), do a **Subject Heading** search using the following words and phrases:

- mathematics study and teaching elementary
- arithmetic study and teaching

You can also do a Subject Heading search for more specific topics. Use these words and phrases:

- counting
- numeration
- addition
- subtraction
- multiplication
- division
- mensuration (measurement)
- problem solving in children
- geometry
- fractions
- decimal fractions
- percentage
- manipulatives
- mathematics and literature

### Looking for picture books or novels on a topic?

Do a **Subject Heading** search for the topic followed by 'fiction', 'juvenile fiction' or 'juvenile literature'. For example, **multiplication fiction**



[More info](#)



### Looking for manipulatives on a topic?

Do a **Basic Keyword** search for the topic including the words 'and manipulatives'.

For example, **counting and manipulatives** or **fractions and manipulatives**

### Just Browsing

Check the following call number areas for math materials:

In the Curriculum Collection

372.2 – Teaching arithmetic and mathematics

510 – 530 – Series (text and teacher resources) and specific math topics (for example, fractions)

In the main collection

QA 135.5

## Library Resources to Know About

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The titles listed below are followed by a Dewey Decimal (Curriculum collection) or Library of Congress (main collection) call number.

### Teaching and Learning Math

*It All Adds Up!: Engaging 8-12 Year-Olds in Math Investigations* (513.076 Ski)  
*Teaching Student-Centered Mathematics, Grades K-3* (372.7 Van)  
*What Successful Math Teachers Do pre-K-5: 47 Research-Based Strategies for the Standards-Based Classroom* (372.7 Wal)  
*Good Questions for Math Teaching: Why Ask Them and What to Ask, K-6* (372.7 Sul)

### Lessons and Activities

*Lessons For* series by Marilyn Burns and other authors (372.7)  
*Navigating Through* series from the National Council of Teachers of Mathematics (372.7)  
*50 Problem-Solving Lessons: Grades 1-6* by Marilyn Burns (510.76 Bur)  
*Just a Minute: Activities for Spare Moments in Class* (510 Cow)  
*Learning Math With Calculators: Activities for Grades 3-8* (372.7 Spa)

### Assessment

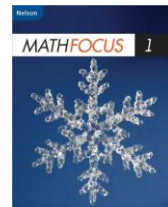
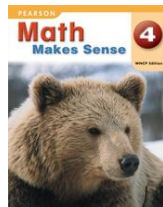
*Mathematics Assessment: Myths, Models, Good Questions, and Practical Suggestions* (510.76 Mat)  
*The Toolkit* by Edmonton Public Schools Resource Development (371.27 Too)

### Math and Literature

*Math and Literature* by Marilyn Burns (372.7 Bur)  
*Figures, Facts and Fables: Telling Tales in Science and Math* (372.677 Lip)  
*How to use Children's Literature to Teach Mathematics* (QA 135.5 W37 1992)

### Math Series Authorized for use in Alberta Schools

*Math Focus* (510)  
*Math Makes Sense* (510)  
*Maximizing Math* (513.2 Max)



### Websites

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Alberta Education: K-12: Curriculum: Mathematics (includes Programs of Study and Teaching and Learning Resources)

<http://www.education.gov.ab.ca/k%5F12/curriculum/bySubject/math/>

*Authorized Resources Database*

[http://www.education.gov.ab.ca/lrdb/d\\_fault.asp](http://www.education.gov.ab.ca/lrdb/d_fault.asp)

- Use this database to find out about textbooks and other materials authorized for use in Alberta schools. Search by subject and grade level.
- Materials are described as **Basic** ('resources which address the *majority* of the outcomes outlined in the program of studies'), **Support** ('resources which address *some* of the outcomes outlined in the program of studies'), or **Teacher** ('resources intended for teachers, often in the form of guides').

*Learning Resources Centre (LRC) Catalogue*

[http://www.lrc.education.gov.ab.ca/pro/cat/cat\\_english.htm](http://www.lrc.education.gov.ab.ca/pro/cat/cat_english.htm)

- Materials authorized for use in Alberta schools can be ordered through the LRC. Each catalogue (primary, elementary, and so on) is organized by grade and subject.
- Print copies are located in the Curriculum collection (015.7123 Lea)

*Quick Reference Implementation Dates* (implementation schedule for Programs of Study)

[http://www.education.gov.ab.ca/k\\_12/curriculum/impshed\\_ref.pdf](http://www.education.gov.ab.ca/k_12/curriculum/impshed_ref.pdf)

*LearnAlberta.ca*

<http://www.learnalberta.ca>

- Quality online resources that support the Alberta K-12 curriculum. Username and password required.

*United Streaming Video*

<http://unitedstreaming.com>

- Digital videos and video clips are available for MHC Education students and instructors *only*. Downloadable from any computer with Internet access, these clips can be incorporated into Power Point presentations or used as is in any classroom. Stop by the Library's Information Desk if you forget the username and password.

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