

MATH SUBJECT GUIDE - I/S

Books:

Environmental mathematics in the classroom / edited by B. A. Fusaro and P. C. Kenschaft
QH541.2 .E83 2003t

Five easy steps to a balanced math program for secondary grades / Larry Ainsworth, Jan Christinson
QA13 .A42 2006

Making math success happen : the best of Learning & leading with technology--on mathematics / edited, with commentary, by Ivan W. Baugh and Anne Raymond
QA16 .M34 2003

Math and literature. Grades 6-8 / Jennifer M. Bay-Williams, Sherri L. Martinie
QA135.6 .B39 2004

Math principles for food service occupations / Anthony J. Strianese, Pamela P. Strianese
TX911.3.M33 S75 2006 (new texts)

The math we need to know and do in grades 6-9 : concepts, skills, standards, and assessments / Pearl Gold Solomon
QA135.6 .S6256 2007

So you have to teach math?: sound advice for grades 6-8 teachers / Cheryl Rectanus
On order

Teaching mathematics to middle school students with learning difficulties / edited by Marjorie Montague, Asha K. Jitendra
QA135.6 .T428 2006

Textbooks:

Grade 9 Math – Applied (MFM1P)

Addison Wesley Applied Mathematics 9 / Robert Alexander ... [et al.]
QA39.3 .A66 2003

Mathematics 9: Applying the Concepts/ Chris Dearing ... [et al.]
QA39.3 .M38339 2003

Pearson Math 9 (2007)
On order

Grade 9 Math – Academic (MPM1D)

Addison Wesley Mathematics 9 Ontario Edition/Robert Alexander ... [et al.]
QA36.5 .K445 1999t

McGraw-Hill Ryerson Principles of Mathematics 9 © 2006
On order

Nelson Principles of Mathematics 9 © 2008
On order

Grade 10 Math – Applied (MFM2P)

Addison Wesley Foundations of Mathematics 10/ Robert Alexander ... [et al.]
QA36.5 .A322 2000t (teacher's resource guide also available)

Foundations of Mathematics 10 © 2007
On order

MATHEMATICS: Applying the Concepts 10/ Wayne Erdman ... [et al.]
QA39.2 .M3834 2000t (teacher's resource and practice masters also available)

Grade 10 Math – Academic (MPM2D)

Addison Wesley Principles of Mathematics 10/ Robert Alexander ... [et al.]
QA36.5 .A332 2000t

MATHPOWER 10, Ontario Edition/ George Knill ... [et al.]
QA135.5 .M3698 2000t (teacher's resource and practice masters also available)

Nelson Mathematics 10/ David Zimmer ... [et al.].
QA39.2 .M343 2001t (teacher's resource and practice masters also available)

Principles of Mathematics 10 © 2007
On order

Grade 11 Math: Mathematics of Personal Finance - College Preparation (MBF3C)

Foundations of College Mathematics 11 © 2007
On order

Pearson Math 11 © 2008
On order

Grade 11 Math: Functions and Applications - University/College Preparation (MCF3M)

Nelson Functions and Applications 11 © 2008
On order

Grade 11 Math: Functions - University Preparation (MCR3U)

Nelson Functions 11 © 2008
On order

Grade 11 Math: Mathematics for Everyday Life - Workplace Preparation (MEL3E)

Mathematics for Everyday Life 11/ Enzo Carli ... [et al.].
QA39.2 .M292 2003

Grade 12 Math: Mathematics of Data Management - University Preparation (MDM4U)

McGraw-Hill Ryerson Mathematics: Mathematics of Data Management/
Barbara Canton ... [et al.]
QA273 .M425 2002t

Multimedia:

Videos/ DVDs:

Math links: patterning and algebra

A.V. 607 .M36 Videokit

Numb3rs. Season three / CBS Paramount Network Television

PN1992.77.N86 N863 2007 DVD

(numerous websites, blogs, discussion boards about this show online)

Stand and deliver / Warner Bros. Pictures

PN1997 .S735 1998 DVD

Kits:

Dragon's fire; a cooperative math game (algebra)

A.V. 601 .D63 kits

Teacher Resources:

Active learning in the mathematics classroom, grades 5-8 / Hope Martin

QA135.5 .M3662 2007

Best practices for teaching mathematics : what award-winning classroom teachers do / Randi Stone

QA135.6 .S76 2007

Exemplary practices for secondary math teachers / Alfred S. Posamentier, Daniel Jaye, Stephen Krulik

QA11.2 .P6385 2007

Graphic organizers and other visual strategies: engage the brain, grades 6-8 math / Marcia L. Tate

QA135.6 .T28 2008

Math tools, grades 3-12: 64 ways to differentiate instruction and increase student engagement / Harvey F. Silver, John R. Brunsting, Terry Walsh

QA135.6 .S55 2008

Maththatmatters: a teacher resource linking math and social justice / by David Stocker
QA11.2 .S86 2006

Problem-based learning for math & science: integrating inquiry and the Internet / Diane L. Ronis
QA11.2 .R66 2008

Rethinking mathematics: teaching social justice by the numbers / edited by Eric Gutstein and Bob Peterson
QA10.7 .R47 2006

Science, math, checkmate: 32 chess activities for inquiry and problem solving / Alexey W. Root
GV1450.7 .R55 2008

What successful math teachers do, grades 6-12: 79 research-based strategies for the standards-based classroom / Alfred S. Posamentier, Daniel Jaye
QA13 .P67 2006

Journals:

In Print:

Crux Mathematicorum with Mathematical Mayhem (problem-solving journal)
Focus on Learning Problems in Mathematics
For the Learning of Mathematics *
Mathematics in School
Mathematics Teacher
Mathematics Teaching Incorporating Micromath
Mathematics Teaching in the Middle School

Online:

Crux Mathematicorum with Mathematical Mayhem (problem-solving journal)
Focus on Learning Problems in Mathematics
Mathematics teacher education & development
Mathematics in School
Mathematics Teacher (1996-2001)
Mathematics Teaching Incorporating Micromath
Mathematics Teaching in the Middle School (1997-2001)

Websites:

GENERAL:

Anecdorage.com

Mathematical anecdotes from Yeats to Gates

<http://www.anecdorage.com>

Canadian Mathematical Competition

Information about the competition

<http://cemc.uwaterloo.ca/>

Charlotte Math Tutor

Math tutor and cartoons

<http://www.charlottemathtutor.com/htmlfile/cartoons.html>

Fields Institute for Research in Mathematical Sciences

The Fields Institute focuses on bridging research, education and industry to support excellence in mathematics.

<http://www.fields.utoronto.ca/>

Fractal Chaos

The philosophy of freedom and self determination

<http://www.fractalwisdom.com/FractalWisdom/index.html>

Handley Math Page

Site of the John Handley High School Mathematics Department (Virginia), this site includes the Problem of the Week, Math Facts, Puzzles, Math Lessons, Quotes and related links.

<http://www.pen.k12.va.us/Div/Winchester/jhhs/math/mathhome.html>

Math Counts

Coaching, math problems and other materials

<http://www.mathcounts.org/webarticles/anmviewer.asp?a=186>

Math Forum

Math forum is a comprehensive resource for math education on the Internet. The site includes a K-12 math expert help service, problem of the week, math forum, and resources and tools for educators.

<http://www.mathforum.org/dr.math/faq/faq.terms.html>

Math Jokes

Math joke collection by Andrej and Elena Cherkaev

<http://www.math.utah.edu/~cherk/mathjokes.html>

Mystical Ball – The Amazing Mind Reader

A fun number/symbol game

<http://www.mysticalball.com/>

OAME resource page:

A long list of helpful links for students, parents, and teachers.

<http://www.oame.on.ca/main/index1.php?lang=en&code=mathlinks>

PurpleMath:

Math help site which includes lessons, site reviews, study skills, and more!

<http://www.purplemath.com>

Stats Canada

Canada 's national statistical agency

<http://www.statcan.ca/start.html>

DATA MANAGEMENT:

Collections of Data Sets:

A list of links to additional (reputable) data sources from all over the world.

<http://www.keypress.com/x2814.xml>

Fedstats:

With convenient searching and linking capabilities to more than 100 agencies that provide data and trend information on such topics as economic and population trends, crime, education, health care, aviation safety, energy use, farm production and more.

<http://www.fedstats.gov>

Geohive:

Welcome to GeoHive, a site with geopolitical data, statistics on the human population, Earth and more. The main kind of data you can find here is population statistics of regions, countries, provinces and cities.

<http://www.geohive.com>

"Live" Data Links: Key Curriculum Press

Each of the sites listed contains raw data that changes regularly—from once a day to once a month.

<http://www.keypress.com/x3894.xml>

Nation Master:

A massive central data source, and a handy way to graphically compare nations. Nation Master is a vast compilation of data from such sources as the CIA World Factbook, UN, and OECD.

You can generate maps and graphs on all kinds of statistics with ease.

<http://www.nationmaster.com>

Robert Niles:

Scroll down to the links below and your days of coming up empty while reporting are over. You'll soon be checking facts and downloading reputable data on everything from public safety to campaign contributions.

<http://www.robertniles.com/data/>

Professional Associations:**The Ontario Association for Mathematics Education**

<http://www.oame.com>

Ontario Mathematics Coordinators Association

<http://www.omca.ca/>