

# Teaching Mathematics

Curriculum Materials Center

A selected list of resources for teaching mathematics from preschool to grade 12. A current list of web resources for mathematics educators, selected by library staff at William Paterson University is available at:

<http://www.wpunj.edu/library/currstats/>

## Textbooks:

*Algebra.* (2002). Glenview, IL: Prentice Hall.

**Call Number: Curr. Mats. Text 512 Pre 2002 Gr. 8-11**

*Connected mathematics.* (2002). Glenview, IL: Prentice Hall.

**Call Number: Curr. Mats. Text 510 Pre 2002 Gr. 6-8**

*Everyday mathematics.* (2001). Chicago: SRA: Everyday Learning Corporation.

**Call Number: Curr. Mats. Text 511 Sra 2001 Gr. 2-6**

*For all practical purposes: Mathematical literacy in today's world.* (2000).

New York: W.H. Freeman.

**Call Number: Curr. Mats. Text 510 Fre 2000 H.S.**

*Functions, statistics and trigonometry.* (1998). Glenview, IL: Scott Foresman Addison Wesley.

**Call Number: Curr. Mats. Text 514 Sco 1998 H.S.**

*Glencoe Geometry: Integration, applications, connections.* (2001). New York: Glencoe, McGraw Hill.

**Call Number: Curr. Mats. Text 513 Gle 2001 Gr. 10-12**

*Groundworks: Algebra.* (1999). Chicago: Creative Publications.

**Call Number: Curr. Mats. Text 512 Cre 1999 Gr. 1-7**

*Harcourt Math.* (2004). Orlando, FL: Harcourt

**Call Number: Curr. Mats. Text 511 Har 2004 Gr. PreK-6**

*Pacemaker pre-algebra.* (2001). Upper Saddle River, NJ: Globe Fearon.

**Call Number: Curr. Mats. Text 512 Glo 2001 Gr. 7-9**

*Real-world mathematics through science.* (1995). Menlo Park, CA: Addison-Wesley.

Includes volumes on various topics:

*Classifying fingerprints.* **Call Number: Curr. Mats. Text 511 Add 1995 Gr. 6-8**

*Measuring earthquakes.* **Call Number: Curr. Mats. Text 511 Add 1995 Gr. 6-8**

*In the air.* **Call Number: Curr. Mats. Text 511 Add 1995 Gr. 6-8**

## Teacher Resources:

- Ameis, J. A. (2006). *Mathematics on the Internet: A resource for K-12 teachers*. Upper Saddle River, NJ: Pearson/Merrill Prentice Hall. (Grades K-12).  
**Call Number: Curr.Mats. QA11.5 .A64 2006**
- Brackett, J. (2004). *Content-area graphic organizers: Math*. Portland, ME: J. Weston Walch. (Grades K-8).  
**Call Number: Curr.Mats. QA135.6 .B73 2004**
- Burns, M. (2007). *About teaching mathematics: A K-8 resource*. Sausalito, CA: Math Solutions Publications. (Grades K-8).  
**Call Number: Curr.Mats. QA135.6 .B76847 2007**
- Evans, C.W. (2001). *Math Links: Teaching the NCTM 2000 standards through children's literature*. Englewood, CO: Teacher's Ideas Press. (Grades K-12).  
**Call Number: Curr.Mats. QA135.6 .E84 2001**
- Kenney, J. M. (et al.). (2005). *Literacy strategies for improving mathematics instruction*. Alexandria, VA: Association for Supervision and Curriculum Development. (Grades K-12).  
**Call Number: Curr.Mats. QA11.2 .L58 2005**
- Meagher, J. (1998). *Math: Interactive bulletin boards*. New York: Scholastic Professional Books. (Grades K-3).  
**Call Number: Curr.Mats. QA139 .M4 1998**
- Moore, J. E. (2002). *Math centers: Take it to your seat*. Monterey, CA: Evan-Moor. (Grades 1-3).  
**Call Number: Curr.Mats. QA135 .M667 2002**
- Muschla, J. A. (1995). *The math teacher's book of lists*. Englewood Cliffs, NJ: Prentice Hall. (Grades K-12).  
**Call Number: Curr.Mats. QA11 .M76 1995**
- Principles and standards for school mathematics*. (2000). Reston, VA: NCTM. (Grades K-12).  
**Call Number: Curr.Mats. QA13 .P735 2000**
- Rose, C. M., Minton, L., & Arline, C. (2007). *Uncovering student thinking in mathematics: 25 formative assessment probes*. Thousand Oaks, CA: Corwin Press. (Grades K-12).  
**Call Number: Curr.Mats. QA11.2 .R67 2007**
- Solomon, P. G. (2006). *The math we need to know and do in grades preK-5: Concepts, skills, standards, and assessments*. Thousand Oaks, CA: Corwin Press. (Grades PreK-5).  
**Call Number: Curr.Mats. QA135.6 .S6255 2006**

## Teaching Activity Books:

- Bazin, M. (2002). *Math and science across the cultures: Activities and investigations from the Exploratorium*. New York: New Press. (Grades K-12).  
**Call Number: Curr.Mats. QA11.2 .B3653 2002**
- Burns, M. (2004). *Math and literature*. Sausalito, CA: Math Solutions Publications. (Grades K-3).  
**Grades K-1 Call Number: Curr.Mats. QA115 .B957 2004**  
**Grades 2-3 Call Number: Curr.Mats. QA135.6 .B7685 2004**
- Charner, K., Murphy, M., & Clark, C. (2007). *The giant encyclopedia of math activities for children 3 to 6: Written by teachers for teachers*. Beltsville, MD: Gryphon House. (Grades PreK-1).  
**Call Number: Curr.Mats. QA95 .G469 2007**
- Clements, P. H., & Bright, G. W. (Eds.). (2003). *Classroom activities for learning and teaching measurement*. Reston, VA: National Council of Teachers of Mathematics. (Grades K-12).  
**Call Number: Curr.Mats. QA1 .N3 2003**
- Greenberg, D. (1998). *Comic-strip math: 40 reproducible cartoons with dozens of funny story problems that build essential math skills*. New York: Scholastic Professional Books. (Grades K-5).  
**Call Number: Curr.Mats. QA139 .G74 1998**
- Kohl, M.F. (1996). *MathArts: Exploring math through art for 3 to 6 year olds*. Beltsville, MD: Gryphon House. (Grades PreK-1).  
**Call Number: Curr.Mats. QA19 .A78 K64 1996**
- Koop, J. (1998). *Frog math: Predict, ponder, play*. Berkley, CA: Great Explorations in Math and Science. (Grades K-3).  
**Call Number: Curr.Mats. QA135.5 .K666 1998**
- Kraus, M. C. (2000). *Multicultural mathematics materials*. (2<sup>nd</sup> ed.). Reston, VA: National Council of Teachers of Mathematics. (Grades K-12).  
**Call Number: Curr.Mats. QA16 .K7 2000**
- Martin, H. (2007). *Making math connections: Using real-world applications with middle school students*. Thousand Oaks, CA: Corwin Press. (Grades 6-8).  
**Call Number: Curr.Mats. QA135.6 .M365 2007**

*Principles and standards for school mathematics: Navigations series.* (2001-2006).

Reston, VA: National Council of Teachers of Mathematics. (Grades 6-12).	
<i>Algebra 6-8.</i>	<b>Call Number: Curr.Mats. QA159 .F75 2001</b>
<i>Algebra 9-12.</i>	<b>Call Number: Curr.Mats. QA159 .N387 2001</b>
<i>Geometry 6-8.</i>	<b>Call Number: Curr.Mats. QA461 .N32 2002</b>
<i>Geometry 9-12.</i>	<b>Call Number: Curr.Mats. QA461 .N3143 2001</b>
<i>Mathematical connections 9-12.</i>	<b>Call Number: Curr.Mats. QA139 .N387 2006</b>
<i>Measurement 6-8.</i>	<b>Call Number: Curr.Mats. QA461 .N325 2005</b>
<i>Measurement 9-12.</i>	<b>Call Number: Curr.Mats. QA465 .N378 2005</b>
<i>Number and operations 9-12.</i>	<b>Call Number: Curr.Mats. QA39.3 .N38 2006</b>
<i>Probability 9-12</i>	<b>Call Number: Curr.Mats. QA273.2 .N39 2004</b>

Ruopp, F. N., & Poundstone, P. (2006). *The sticky problem of parallelogram pancakes & other skill-building math activities, grades 4-5.* Portsmouth, NH: Heinemann. (Grades 4-5).  
**Call Number: Curr.Mats. QA135.6 .R86 2006**

Ruopp, F. N., & Poundstone, P. (2006). *Venn can we be friends?: And other skill-building math activities, grades 6-7.* Portsmouth, NH: Heinemann. (Grades 6-7).  
**Call Number: Curr.Mats. QA135.6 .R864 2006**

Ruopp, F. N., & Poundstone, P. (2007). *You can't keep the slope down: And other skill-building math activities grades 8-9.* Portsmouth, NH: Heinemann. (Grades 8-9).  
**Call Number: Curr.Mats. QA135.6 .R8642 2007**

Silbert, J. (1995). *Math mysteries: Stories and activities to build problem-solving skills.* New York: Scholastic Professional Books. (Grades 2-5).  
**Call Number: Curr.Mats. QA135.5 .S55 1995**

Tate, M. L. (2009). *Mathematics worksheets don't grow dendrites: 20 numeracy strategies that engage the brain, PreK-8.* Thousand Oaks, CA: Corwin Press. (Grades PreK-8).  
**Call Number: Curr.Mats. QA135.6 .T34 2009**

Thiessen, D. (Ed.). (2004). *Exploring mathematics through literature: Articles and lessons for prekindergarten through grade 8.* Reston, VA: National Council of Teachers of Mathematics. (Grades PreK-8).  
**Call Number: Curr.Mats. QA135.6 .E86 2004**

Thompson, F.M. (1998). *Hands on algebra!: Ready-to-use games & activities for grades 7-12.* West Nyack, NY: Center for Applied Research in Education. (Grades 7-12).  
**Call Number: Curr.Mats. QA159 .T48 1998**

Williams, R. A. (2005). *Preschool math.* Beltsville, MD: Gryphon House. (Grades PreK-K).  
**Call Number: Curr.Mats. QA16 .W55 2005.**