

REQUIRED BOOKS

1. Gutstein, Eric and Petersen, Bill (2005) *Rethinking Mathematics: Teaching Social Justice by the Numbers*. Milwaukee: Rethinking Schools.
2. Lampert, Magdalene (2001) *Teaching Problems and the Problems of Teaching*. New Haven: Yale University Press.
3. Van de Walle, John A. and Lovin, LouAnn(2006) *Teaching Student-Centered Mathematics: Grades K-3 (Volume 1)*. Boston: Pearson Education, Inc.
4. Van de Walle, John A. and Lovin, LouAnn(2006) *Teaching Student-Centered Mathematics: Grades 3-5 (Volume 2)*. Boston: Pearson Education, Inc.
5. Van de Walle, John A. and Lovin, LouAnn(2006) *Teaching Student-Centered Mathematics: Grades 5-8 (Volume 3)*. Boston: Pearson Education, Inc.

REQUIRED READINGS FOR COURSE

1. National Research Council (2001) Chapter 4: Strands of mathematical proficiency. In *Adding it up: Helping Children Learn Mathematics*. National Academy Press.
2. Ginsburg, H. P. (1997) The Myth of the Deprived Child: New Thoughts on Poor Children. In A.B. Powell and M. Frankenstein (Eds.). *Challenging Eurocentrism in mathematics education*. (pp. 129-154). Albany : State University of New York Press.
3. National Research Council (2001) Chapter 5: The Mathematical Knowledge Children Bring to School. *Adding it up: helping children learn mathematics*. National Academy Press.
4. Borasi, R. (1996) Chapter 2: Reconceiving mathematics education within an inquiry framework. *Reconceiving Mathematics Instruction: A focus on Errors*. (pp. 15-26) Ablex.
5. Stigler, J.W. and Hiebert, J. (1999) Chapter 6: Teaching is a cultural activity. *Teaching Gap: Best Ideas from the world's teachers for improving education in the classroom*. Free Press:
6. Spangler, D.A. (1992) Assessing students' beliefs about mathematics. *Arithmetic Teacher*.
7. Stuart, Vanessa (2000) Math curse or math anxiety? *Teaching Children Mathematics*. 6(5).330-335.
8. Levi, Linda (2000) Gender Equity in Mathematics Education. *Teaching Children Mathematics*. 1(7), 101-105.
9. Perkins, I., Flores, A. (2002) Mathematical notations and procedures of recent immigrant students. *Mathematics Teaching in the Middle School*. 7(6) 346-352.
10. Carpenter, T.P., Franke, M.L., Levi, L. (2003). Chapter 3: Developing and Using Relational Thinking. In *Thinking Mathematically: Integrating arithmetic and algebra in elementary school*. (pp. 27-45) Portsmouth, NH: Heinemann.
11. Kouba, V. and Franklin, K. (1995) Multiplication and Division: Sense-making and meaning. *Teaching Children mathematics* 1(9), 574-577
12. Kenny, P., Lindquist, M. M., Hefferman, C.L. (2002) Butterflies and caterpillars: multiplicative and Proportional Reasoning in early grades. In B. Litwiller and G. Bright (Eds). *Making Sense of Fractions, Ratios, and Proportions – NCTM yearbook*. Reston, VA: NCTM. pp. 87-99.
13. Campbell, P.F., Rowan, T.E., & Suarez, A.R. (1998) What Criteria for student-invented algorithms? In *Teaching and Learning of Algorithms in School Mathematics*. (pp. 49-55.) NCTM yearbook. National Council of Teachers of Mathematics.
14. Kamii, C. & Dominick A. (1998) The Harmful Effects of Algorithms in Grades 1-4. In *Teaching and Learning of Algorithms in School Mathematics*. (pp. 130-140) NCTM yearbook. National Council of Teachers of Mathematics.

15. Ambrose, R. C. (2002). Are we overemphasizing manipulatives in the primary grades to the detriment of girls? *Teaching Children Mathematics* (September). pp. 16-21.
16. Khisty, L.L. & Viego, G. (1999) Challenging conventional wisdom: a case study. In Walter Secada (Ed) *Changing the faces of mathematics: Perspectives on Latinos*. Reston, VA: NCTM. pp. 71-80.
17. Lamon, S. J. (1999). Chapter 3 Fractions and Rational Numbers. In *Teaching Fractions and Ratios for Understanding: Essential Content Knowledge and Instructional Strategies for Teachers*. Mahwah, NJ: Lawrence Erlbaum Associates.
18. Lamon, S. J. (1999). Chapter 10 Reasoning with fractions. In *Teaching Fractions and Ratios for Understanding: Essential Content Knowledge and Instructional Strategies for Teachers*. Mahwah, NJ: Lawrence Erlbaum Associates.
19. Khisty, L. L.(1997). Making mathematics accessible to Latino students: Rethinking instructional practice. *Multicultural and Gender Equity in Mathematics Classroom: the Gift of Diversity – NCTM Yearbook*. Reston, VA: NCTM. pp. 92-101.
20. Schifter, D. (1999) Reasoning about Operations: Early Algebraic Thinking in Grades K-6. In L.V. Stiff and F.R. Curcio (Eds) *Developing Mathematical Reasoning in grades K-12: NCTM 1999 Yearbook*. Reston, VA: NCTM. pp. 62-81.
21. Moschkovich, J.N. (1999) Learning mathematics in two languages. In Walter Secada (Ed) *Changing the faces of mathematics: Perspectives on Multiculturalism and gender equity*. Reston, VA: NCTM. pp. 85-93.
22. Chazan, D. & Ball, D. (1999) Beyond being told not to tell. *For the Learning of Mathematics* 19(2)22-10.
23. Fuys, D. J. and Liebov, A. K. (1993) Geometry and Spatial Sense. In Robert Jensen and Sigrid Wagner (Eds) *Early Childhood Mathematics: Research ideas for the classroom*. New York: MacMillan. pp. 195-221.
24. McClain, K., Cobb, P., Gravemeijer, K. & Estes, B. (1999) Developing mathematical reasoning within the context of measurement. In L.V. Stiff and F.R. Curcio (Eds) *Developing Mathematical Reasoning in grades K-12: NCTM 1999 Yearbook*. Reston, VA: NCTM. pp. 93-106.
25. Belcher, T., Coates, G.D., Franco, J., Mayfield-Ingram, K. (1997) Assessment and Equity. In *Multicultural and Gender Equity in Mathematics Classroom: the Gift of Diversity – NCTM Yearbook*. Reston, VA: NCTM. pp. 195-200.
26. Garrison, L. (1999) Portafolio de Matematica: Using mathematics portfolios with Latino Students. In Walter Secada (Ed) *Changing the faces of mathematics: Perspectives on Latinos*. Reston, VA: NCTM. pp. 85-97.
27. Frykholm, J. (2001) Eenie, meenie, minie, moe...Building on Intuitive Notions of Chance. *Teaching Children Mathematics*. October. pp. 112-118.
28. Civil, M. & Andrade, R. (2002). Transitions between home and school mathematics: Rays of hope amidst the passing clouds. In G. de Abreu, A.J. Bishop, N.C. Presmeg (Eds.), *Transitions between contexts of mathematical practices* (pp. 149-169. Dordrecht: Kluwer Academic Publications.
29. Lo Cicero, A. M., Fuson, K.C., and Allexshat-Snider, M. (1999) Mathematizing children's stories, helping children solve word problems and supporting parental involvement. In Walter Secada (Ed) *Changing the faces of mathematics: Perspectives on Latinos*. Reston, VA: NCTM. pp. 59-70.
30. Peressini D. (1997) Building Bridges between diverse families in the classroom: Involving Parents in School Mathematics. *Multicultural and Gender Equity in Mathematics Classroom: the Gift of Diversity – NCTM Yearbook*. Reston, VA: NCTM. pp. 222-229.
31. National Research Council (2001) Chapter 9: Teaching for mathematical proficiency. *Adding it up: helping children learn mathematics*. National Academy Press.