

Endnotes



The following is a partial list of works that were consulted in the preparation of the mathematics, science, and contextual frameworks.

Mathematics

- Confrey, J. (1990). A review of the research on student conceptions in mathematics, science, and programming. In C.B. Cazden (Ed.), *Review of Research in Education 16*, Washington DC: American Educational Research Association.
- Hiebert, J. and Carpenter, T.P. (1992). Learning and Teaching with Understanding. In D.A. Grouws (Ed.). *Handbook of research on mathematics teaching and learning*. New York, NY: MacMillan Publishing Company.
- Howard, P.J. (2000). *The owner's manual for the brain: everyday applications of mind-brain research* (2nd edition). Austin, TX: Bard Press.
- Kulm, G. (Ed.) (1990). *Assessing higher order thinking in mathematics*. Washington, DC: American Association for the Advancement of Science.
- Mathematics Framework Project (2002). *Mathematics framework for the 2003 national assessment of educational progress*. Washington DC: U.S. Government Printing Office.
- Mullis, I.V.S., Martin, M.O., Gonzalez, E.J., and Chrostowski, S.J., (2004). *TIMSS 2003 international mathematics report: Findings from IEA's trends in international mathematics and science study at the fourth and eighth grades*. Chestnut Hill, MA: Boston College.
- Mullis, I.V.S., Martin, M.O., Smith, T.A., Garden, R.A., Gregory, K.D., Gonzalez, E.J., Chrostowski, S.J., & O'Connor, K.M. (2003). *TIMSS assessment frameworks and specifications 2003 (2nd ed.)*. Chestnut Hill, MA: Boston College.
- National Council of Teachers of Mathematics (2000). *Principles and standards for school mathematics*. Reston, VA: NCTM.
- Organisation for Economic Co-operation and Development (2003). *The PISA 2003 assessment framework: Mathematics, reading, science and problem solving knowledge and skills*. Paris, France: OECD.

Putnam, R.T., Lampert, M., and Peterson, P.L. (1990). Alternative Perspectives on knowing mathematics in elementary schools. In C.B. Cazden (Ed.), *Review of research in education 16*. Washington, DC: American Educational Research Association.

Science

American Association for the Advancement of Science (1993). *Benchmarks for science literacy*. Oxford, England: Oxford University Press.

American Association for the Advancement of Science (2000). *Inquiring into inquiry learning and teaching in science*, American Association for the Advancement of Science.

Champagne, A.B., Kouba, V.L., and Hurley, M. (2000). Assessing Inquiry. In J. Minstrell and E.H. Van Zee (Eds.), *Inquiring into inquiry learning and teaching in science* (pp. 447-470). Washington, DC: American Association for the Advancement of Science.

Martin, M.O., Mullis, I.V.S., Gonzalez, E.J., and Chrostowski, S.J., (2004). *TIMSS 2003 international science report: Findings from IEA's trends in international mathematics and science study at the fourth and eighth grades*. Chestnut Hill, MA: Boston College.

Mullis, I.V.S., Martin, M.O., Smith, T.A., Garden, R.A., Gregory, K.D., Gonzalez, E.J., Chrostowski, S.J., & O'Connor, K.M. (2003). *TIMSS assessment frameworks and specifications 2003 (2nd ed.)*. Chestnut Hill, MA: Boston College.

NAEP Science Consensus Project (2004). *Science framework for the 2005 national assessment of educational progress*. Washington, DC: National Assessment Governing Board, U.S. Department of Education.

National Research Council (1996). *National science education standards*. Washington, DC: National Academy Press.

National Research Council (2000). *Inquiry and the national science education standards: A guide for teaching and learning*. Washington, DC: National Academy Press.

National Science Foundation (1995). *Innovating and evaluating science education: NSF evaluation forums 1992-94*. Arlington, VA: National Science Foundation.

National Science Teachers Association (1997). *Pathways to the science standards: Guidelines for moving the vision into practice* (elementary school edition). Arlington, VA: NSTA Press.

National Science Teachers Association (1998). *Pathways to the science standards: Guidelines for moving the vision into practice* (middle school edition). Arlington, VA: NSTA Press.

Contextual

Bates, J. T. (1993). Portrait of a successful rural alternative school. *Rural Educator*, 14(3), 20-24.

DuFour, R. (1999). Help wanted: Principals who can lead learning communities. *NASSP Bulletin*, 12-17.

Garet, M. S., Porter, A. C., Desimone, L., Birman, B. F., Yoon, K. S. (2001). What makes professional development effective? Results from a national sample of teachers. *American Educational Research Journal*, 38(4), 915-945.

Henderson, A. T., & Berla, N. (1994). *A new generation of evidence: The family is critical to student achievement*. St. Louis, MO: Danforth Foundation and Flint, MI: Mott (C. S.) Foundation.

Henke, R.R., Choy, S.P., Geis, S. and Broughmann, S.P. (1996). *Schools and staffing in the United States: A statistical profile, 1993-94*(NCES 96-124). US Department of Education, National Center for Education Statistics. Washington, DC: US Government Printing Office.

Martin, M.O., Mullis, I.V.S., Gregory, K.D., Hoyle, C., and Shen, C. (2000). *Effective schools in science and mathematics*. Chestnut Hill, MA: Boston College.

- Martin, M.O., Mullis, I.V.S., Gonzalez, E.J., and Chrostowski, S.J., (2004). *TIMSS 2003 international science report: Findings from IEA's trends in international mathematics and science study at the fourth and eighth grades*. Chestnut Hill, MA: Boston College.
- Mayer, D.P., Mullens, J.E., and Moore, M.T. (2000). *Monitoring school quality: An indicators report*, NCES 2001-030. Washington, DC: National Center for Education Statistics.
- Moskowitz, J. and Stephens, M. (eds.) (1997). *From students of teaching to teachers of students: Teacher induction around the pacific rim*. Washington, DC: U.S. Department of Education.
- Mullis, I.V.S., Martin, M.O., Gonzalez, E.J., and Chrostowski, S.J., (2004). *TIMSS 2003 international mathematics report: Findings from IEA's trends in international mathematics and science study at the fourth and eighth grades*. Chestnut Hill, MA: Boston College.
- Wenglinsky, H. (2000). *How teaching matters: Bringing the classroom back into discussions of teacher quality*. Educational Testing Service, Princeton, NJ. Policy Information Center.