

- Ball, D. L., M. H. Thames, and G. Phelps. "Content Knowledge for Teaching: What Makes it Special," **Journal of Teacher Education**. 57(5), 389-407, 2008.
- Barker, D. D. **Teachers' Knowledge of Algebraic Reasoning: Its Organization for Instruction**. Doctoral Dissertation, Faculty of the Graduate School, University of Missouri-Columbia, 2007.
- Begle, E. G. **Critical Variables in Mathematics Education: Finding From a Survey of the Empirical Literature**. Washington, DC : Mathematical Association of America and the National Council of Teachers of Mathematics, 1979.
- Bell, F.H. **Teaching and Learning Mathematics in Secondary School Dubuque,Iowa : WM.C. Brown Company Publishers**, 1981.
- Borkow, H., and R. T. Pultman. **Expanding Teacher's knowledgebase: A cognitive Psychological Perspective on professional development**. In R.T. Guskyand Carroll. J.A. **Modal of school Learning**. Teachers College. Record. 64, 722-733, 1963.
- Carpenter, T. P., E. Fennema, P. L. Peterson, and D. A. Carey. "Teachers' Pedagogical Content Knowledge of Student's Problem Solving in Elementary Arithmetic," **Journal for Research in Mathematics Education**. 19: 385, 1988.
- Carpenter, T. P., Fennema, E., Peterson, P. I., Chiang, C. P., and M. Loeff. "Using Knowledge of Children's Mathematics Thinking in Classroom Teaching : An Experimental Study," **American Educational Research journal**. 26(4), 499-532, 1989.
- Charalambous,M. "Developing Measures of Preservice Elementary Teachers' Mathematics Knowledge for Teaching," **Action in Teacher Education**, 938-939, 2008.
- Cochran-Smith, and M. "Learning Unlearning : The Education of Teacher Educators," **Teaching and Teacher Education**, 19(1), 5-28. 2003.
- Cooney, Thomas J., Davis, Edward J. and K. B. Henderson. **Dynamics of Teaching Mathematics**. Boston : Houghton Mifflin Company, 1975.

- Crescione, L. "A Study of Efficacy Beliefs for Urban and Suburban School Teachers Trained in a Brained-Based Model of Instruction," **Dissertation Abstract International**. 60 (10) : 3594-A. 2000, April.
- Dienes, Z.P. and E.W. Golding. **Approach to Modern Mathematics**. New York : Herder and Herder. 1971.
- Devlin, K. "The Four Faces of Mathematics. In Burke, M.J. and Curcio, F. R.(editors)," **Learning Mathematics for a New Century**.(pp. 16-27). Virginia : National Council of Teachers of Mathematics, 2000.
- Eggen, P. and D. Kauchak. **Strategies for Teacher: Teaching Content and Thinking Skills**. 3rd ed. USA. Allyn and Bacon, 1996.
- Emmer, E. T. C.M. Evertsdn. and L.M. Anderson. "Effective Classroom Management at The Beginning of the School year," **Elementary School Journal**. 1980. 219-231, 1980.
- Elbaz, F. **Teacher Thinking : A Study of Practical Knowledge**. New York : Nichols. 1983.
- Even, R., and Tirosh, D. **Teachers' Knowledge and Understanding of Students' Mathematical Thinking**. In L. English (Ed.), **International handbook of Research in Mathematics Education**. Mahwah, NJ: Erlbaum, 2002.
- Eisner, E.W. **The Art of Educational Evaluation: a Personal View**. London : Falmer Press, 1985.
- _____. **The Educational Imagination : on the Design and Evaluation of School Programs**. New York: Macmillan, 1979.
- _____. **The Enlightened Eye : Qualitative Inquiry and the Enhancement of Educational Practice**. Upper Saddle River, N.J.: Merrill, 1998.
- _____. **The Perceptive Eye : Toward the Reformation of Educational Evaluation**. Stanford, CA: Stanford Evaluation Consortium, 1975.
- Fennema, E., and M. L. Franke. **Teachers' Knowledge and Its Impact**. In D. A. Grouws (Ed.), **Handbook of Research on Mathematics Teaching and Learning** (pp. 147-164). NewYork: Macmillan, 1992.
- Ginsburg, H. and S. O. Piaget's. **Theory Intellectual Development : An Introduction**. Englewood Cliffs, New Jersey: Prentice-Hall, 1969.

- Good, Carter V. **Dictionary of Education**. 2nd ed. New York : McGraw - Hill Book Company, 1959.
- Good, Carter V. **Dictionary of Education**. 3rd ed. New York : McGraw - Hill Book Company, 1973.
- Grouws, D. **Handbook of Research on Mathematics Teaching and Learning**. A Project of the National Council of Teachers of Mathematics. 148, 161-162, 1992.
- Hill, H. C., B. D. L. all, and S. G. Schilling. Unpacking Pedagogical Content Knowledge: Conceptualizing and Measuring Teachers' Topic-specific Knowledge. **Journal for Research in Mathematics Education**, 39, 372–400. 2008.
- Hill, H.C., B. Rowan, and D.L. Ball. "Effects of Teachers' Mathematical Knowledge for Teaching on Student Achievement," **American Educational Research Journal**. 42 371-406, 2005.
- Hill, H. C., Sleep, L., Lewis, J. M., and D. L. Ball. Assessing Teachers' Mathematical Knowledge : What Knowledge Matters and what Evidence Counts? InF. K. Lester (Ed.), **Handbook of Research on Mathematics Education**(pp. 111-155). Greenwich, CT: Infoage/National Council of Teachers of Mathematics, 2007.
- Jabionka, E. "Mathematical Literacy. In Bishop,A.J. and others(editors)," **Second International Handbook of Mathematics Education**. (pp.75-102). Dordrecht : Kluwer, 2003.
- Kamii, C., B. A. Lewis, and S. J. Livingston. **Primary arithmetic : Children Inventing Their Own Procedures**. Arithmetic Teacher, 1993.
- Kouba,V.L. and Champagne,A.B. **Literacy in the National Science and Mathematics Standards : Communication and Reasoning**. New York : National Research Center on English Learning & Achievement, University at Albany, 1998.
- Lampert, M. **Teaching Problems and the Problems in Teaching**. New Haven, CT: Yale University Press, 2001.

- Li, X. **Mathematical Knowledge for Teaching Algebraic Routines: A Case Study of Solving Quadratic Equations.** *Journal of Mathematics Education*, 4(2) : 2, 1-16, 2011.
- Ma, L. **Knowing and Teaching Elementary Mathematics: Teachers' Understanding of Fundamental Mathematics in China and the United States.** Mahwah, NJ: Lawrence Erlbaum Associates, Inc, 1999.
- Marks, R. "Pedagogical Content Knowledge : From a Mathematical Case to a Modified Conception," *Journal of Teacher Education*. 41(3), 1990.
- National Council of Teachers of Mathematics. **Principle and Standard for School Mathematics.** Reston, VA, 2000.
- OECD. **The PISA 2003 Assessment Framework : Mathematics, Reading, Science and Problem Solving Knowledge and Skills.** Paris : OECD, 2003.
- OECD. "Programme for International Student Assessment (PISA)," **PISA 2012 MATHEMATICS FRAMEWORK.** to OECD, November 30, 2010 สืบค้นเมื่อ 20 เมษายน 2555 จาก <http://www.oecd.org/dataoecd>.
- Olanoff, E. D. **Mathematical Knowledge for Teaching Teachers: The Case of Multiplication and Division of Fractions.** Doctoral Dissertation, College of Arts and Sciences, Syracuse University, 2011.
- Patricio, H. and K. Karl. **Mathematical Knowledge for Teaching High School Geometry.** *Psychology of Mathematics Education*, 34(2) : 2, 1-8, 2012.
- Piaget, J. **The Theory of Stages in Cognitive Development.** In D.R. Green (Ed.), *Measurement and Piaget.* New York: McGraw-Hill. 1971.
- Post, T.R. Some Notes on the Nature of Mathematics Learning. In T.R. Post (Ed.), **Teaching Mathematics in Grades K-8.** (pp. 1-22) Boston : Allyn and Bacon. 1992.
- Raudenbush, S. W., Phumirat, Chinnapat, and Kamali, Mohamed. "Predictors and Consequences of Primary Teachers' Sense of Efficacy and Students' Perceptions of Teaching Quality in Thailand," **International Journal of Educational Research.** 17 (2) : 165-177, 1992.

- Reys, R. E., B. J. Reys, R. Lapan, G. Holliday, and D. Wasman. "Assessing the Impact of Standards-based Middle Grades Mathematics Curriculum Materials on Student Achievement," **Journal for Research in Mathematics Education**, 34(1), 2003.
- Schwarz, B.B., and R. Hershkowitz. "Prototypes: Brakes or Levers in Learning the Function Concept? The role of computer tools," **Journal for Research in Mathematics Education**, Vol. 30, (4), pp. 363, 1999.
- Steele, D. M. **Middle Grade Geometry and Measurement : Examining Change in Knowledge Needed for Teaching through a Practice-Based Teacher Education Experience**. Doctoral Dissertation, School of Education, University of Pittsburgh, 2006.
- Taylor, E. C. **Facilitating the Development of Elementary Orispective Teachers' Pedagogical Content Knowledge : A Case study of a Mathematics Teacher Educator's Actions and Purposes**. Doctoral Dissertation, Faculty of the Graduate School, University of Missouri, 2011.
- Toumasis, C. **Concept Worksheet : An Important Tool for Learning**. *Mathematics Teacher* 88 (February) : 98, 1995.
- Underhill, R.G. Two Layers of Constructivist Curricular Interaction. In E. von Glasersfeld (Ed.) **Radical Constructivism in Mathematics Education**. (pp. 229-248). Dordrecht, The Netherlands : Kluwer academic, 1991.
- Watson, A. "Teaching for Understanding. In Haggarty, L.(editor)," **Aspects of Teaching Secondary Mathematics : Perspectives on Practice**. (pp. 153-162). London : Routledge Falmer, 2002.
- Wendy, A. O'hanlo. **Characyerizing the Pedagogical Content Knowledge of Pre-service Secondary Mathematics Teacher**. Doctoral Dissertation, Department of Mathematics, Illinois State University, 2010.
- Wineburg, S. and S. Wilson. **Subject Matter Knowledge in the Teaching of History**. In J. Brophy (Ed.), **Advances in Research on Teaching**, Vol. 2 (pp. 305-347). Greenwich, Connecticut: JAI Press, 1991.

Zopf, A. D. **Mathematical Knowledge for Teaching Teachers: The Mathematical Work and Knowledge Entailed by Teacher Education.** Doctoral Dissertation, School of Education, The University of Michigan, 2010.



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