

## SELECTED PUBLICATIONS

- McCoy, L. P. & Redmond, M. L. (2009). In D. Butler, J. McDowell, & M. Pittard (Eds.). *Liberal arts education and teacher education: A lasting relationship* (pp. 111-119). Crawfordsville, IN: Association of Independent Liberal Arts Colleges of Teacher Education.
- Troutman, J. & McCoy, L. P. (2008). Re-membering Mathematics: The Effect of Culturally Relevant Lessons in Math History on Students' Attitudes. *Journal of Mathematics and Culture*, 3(1), 14-51.
- McCoy, L. P. (2008). Poverty: Teaching Mathematics and Social Justice. *Mathematics Teacher*, 101(6), 456-461.
- McCoy, L. P., Buckner, S., & Munley, J. (2007). Probability Games from Diverse Cultures. *Mathematics Teaching in the Middle School*, 12(7), 394-402.
- McCoy, L. P. (2006). Southern rural public schools: A study of teacher perspectives. *The Qualitative Report*, 11(4), 749-763. [<http://www.nova.edu/ssss/QR/QR11-4/mccoy.pdf>]
- McCoy, L. P. (2005). Internet WebQuest: A Context for Mathematics Process Skills. In Masalski, W. J. & Elliott, P.C. (Eds.) *Technology-Supported Mathematics Learning Environments: Sixty-Seventh Yearbook* (pp. 189-201). Reston, VA: National Council of Teachers of Mathematics.
- McCoy, L. P. (2004). Effect of Demographic and Personal Variables on Achievement in Eighth-Grade Algebra. *Journal of Educational Research*, 98(3), 131-135.
- Burg, J., Wong, Y. & McCoy, L. P. (2004). Developing a Strategy for Creating and Assessing Digital Media Curriculum Material. *Interactive Multimedia Electronic Journal of Computer-Enhanced Learning*, 6(1), [Online: <http://imej.wfu.edu/articles/2004/1/01/>].
- McCoy, L. P. (2004). Star Quilts. In R. Sgarlotti (Ed.), *Creating Sacred Places for Students in Mathematics, Grades PreK – 12*(pp. 112-127). Poulson, MT: National Indian School Boards Association. (Invited)
- McCoy, L.P. & Heafner, T. L. (2004). A Study of the Effect of Gender on Computer Use and Attitudes of College Seniors. *Journal of Women and Minorities in Science and Engineering*, 10 (1), 55-66.
- McCoy, L. P. & Shaw, J. M. (2003). Patchwork Quilts: Connections with Geometry, Technology, and Culture. *Mathematics Teaching in the Middle School*, 9(1), 46-50.

- McCoy, L. P. (2003). It's a Hard Job: A Study of Novice Teachers' Perspectives on Why Teachers Leave the Profession. *Current Issues in Education* [On-line], 6 (7). Available: <http://cie.ed.asu.edu/volume6/number7/>
- McCoy, L. (2001). Great Expectations: Freshman Hopes and Senior Reflections. *Wake Forest Magazine* 49(2), 34-36. (Invited)
- McCoy, L. (2001). Remarkable Women of Mathematics and Science. In Jacobs, J. E., Becker, J. R., & Gilmer, G. F. (Eds.) *Changing the Faces of Mathematics: Perspectives on Gender* (pp. 125-132). Reston, VA: National Council of Teachers of Mathematics.
- Heafner, T. & McCoy, L. (2001). Technology and the Academic and Social Culture of a University Campus. In Price, J. D., Willis, D., David, N. & Willis, J. *Proceedings of the Society for Information Technology and Teacher Education*. (pp. 2326-2331). Charlottesville, VA: Association for the Advancement of Computing in Education.
- McCoy, L. (2000). Electronic Portfolio Development. In D.G. Brown (Ed.) *Teaching with Technology* (pp. 206-208). Bolton, MA: Anker. (Invited)
- McCoy, L., Griffith, R. & Gu, Y. (1999). Assessment from Multipurpose Surveys and Other Sources. In D.G. Brown (Ed.) *Electronically Enhanced Education: A Case Study of Wake Forest University* (pp. 94-100). Winston-Salem, NC: Wake Forest University Press. (Invited)
- McCoy, L. P. & Baker, T. H. (1997). Gender Differences in Preservice Teachers' Computer and Internet Attitudes. In J. Price, K. Rosa, S. McNeil, and J. Willis (Eds.), *Technology and Teacher Education Annual 1997* (pp. 873-876). Charlottesville, VA: Association for the Advancement of Computing in Education.
- Walker, E. N. & McCoy, L. P. (1997). Students' Voices: African Americans and Mathematics. In J. Trentacosta (Ed.) *Multicultural and Gender Equity in the Mathematics Classroom: The Gift of Diversity, 1997 Yearbook*. Reston, VA: National Council of Teachers of Mathematics.
- McCoy, L. P. (1997). Algebra: Real-life Investigations in a Lab Setting. *Mathematics Teaching in the Middle School*, 2(4), 220-224.
- McCoy, L. P. (1996). Computer-Based Mathematics Learning. *Journal of Research on Computing in Education*, 28(4), 438-460.
- McCoy, L. P., Baker, T. H. & Little, L. S. (1996). Using Multiple Representations to Communicate: An Algebra Challenge. In P. C. Elliott (Ed.), *Communication in Mathematics, K-12 and Beyond: 1996 Yearbook* (pp. 40-44). Reston, VA: National Council of Teachers of Mathematics.

- McCoy, L. P. (1996). WHAM-Women's Historical Achievements in Mathematics. *New England Mathematics Journal*, 28(2), 26-32.
- McCoy, L. P. (1994). Multi-Tasking Algebra Representations. *Proceedings of the Annual Meeting Psychology of Mathematics Education*, 13, (pp. 126-132). Baton Rouge, LA: Psychology of Mathematics Education.
- McCoy, L. P. (1994). Decisions in inferential statistics with *HyperCard*: Design and field test. *Computers in the Schools*, 10(1/2), 69-77. (Also published as book chapter)
- McCoy, L. P. (1994). Mathematical problem solving processes of elementary male and female students. *School Science and Mathematics* 94(5), 266-270.
- McCoy, L. P. (1994). Use of variables: Algebra-computer-English translation. *Computers in the Schools*, 9(2/3), 35-44.
- McCoy, L. P. (1994). Essential Technology in Algebra Teaching Methods. *Technology and Teacher Education Annual* (pp. 534-537). Charlottesville, VA: Society for Technology and Teacher Education.
- McCoy, L. P. (1992). Logo as a tool for experimental probability. *Centroid*, 19(1), 13-15.
- McCoy, L. P. (1992). Correlates of mathematics anxiety. *Focus on Learning Problems in Mathematics*, 14(2), 51-57.
- McCoy, L. P. & Braswell, B. R. (1991). A study of computer games and problem solving skills. *Proceedings of the Thirteenth Annual Meeting Psychology of Mathematics Education*, 13, (pp. 126-132). Blacksburg, VA: Psychology of Mathematics Education.
- McCoy, L. P. (1991). The effect of geometry tool software on high school geometry achievement. *Journal of Computers in Mathematics and Science Teaching*, 10(3), 51-57.
- McCoy, L. P. (1991). Integrating technology into secondary mathematics. *Technology and Teacher Education Annual* (pp. 184-186). Greenville, NC: Society for Technology and Teacher Education.
- McCoy, L. P. (1990). Literature relating critical skills for problem solving in mathematics and in computer programming. *School Science and Mathematics*, 90(1), 48-60.
- McCoy, L. P. & Dodl, N. R. (1989). Computer programming experience and mathematical problem solving. *Journal of Research on Computing in Education*, 22(1), 15-27.
- McCoy, L. P. (1989) Computer programming can develop problem solving skill. *The Computing Teacher*, 17(4), 46-49.

- McCoy, L. P. & Dodl, N. R. (1988). A theoretical examination of computer programming and mathematical problem solving. *Proceedings of the Ninth National Educational Computing Conference, 9*, 308-311.
- McCoy, L. P. & Burton, J. K. (1988). The relationship of computer programming and mathematics in secondary students. *Computers in the Schools, 4*(3/4), 159-166. (Also published as book chapter)
- McCoy, L. P. & Orey, M. A. (1988). Computer programming and general problem solving by secondary students. *Computers in the Schools, 4*(3/4), 151-157. (Also published as book chapter)

#### **SELECTED PRESENTATIONS AT NATIONAL CONFERENCES:**

- McCoy, L.P. (2009, April). *Considering Culture: Strategies and Activities for Encouraging ALL Students in Mathematics*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting, Washington, DC.
- McCoy, L.P. (2007, March). *Real World Applications from Many Cultures*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting, Atlanta, GA.
- McCoy, L.P. (2006, April). *Poverty: Social Justice Contexts for Data-Based Projects in Algebra and Statistics*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting, St. Louis, MO.
- McCoy, L.P. (2005, April). *Cultural Expectations: A Study of Rural Southern Public Schools*. Paper presented at the American Educational Research Association Annual Meeting, Montreal, QC, CANADA.
- McCoy, L.P. (2005, April). *Mathematics Activities from Diverse Cultures*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting, Anaheim, CA.
- McCoy, L.P. (2004, November). *Project Potpourri: Implementing Standards-Based Instruction*. Paper presented at NCTM Southern Regional Conference, New Orleans, LA.
- McCoy, L.P. (2003, April). *Four Teachers: A Study of Teaching in Public Schools in the Mississippi Delta*. Paper presented at the American Educational Research Association Annual Meeting, Chicago, IL.
- McCoy, L.P. (2003, April). *Connections to Internet Resources*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting, San Antonio, TX.

- Griffith, R. A. and McCoy, L.P. (2002, June). *Four Years Later: Qualitative and Quantitative Assessment of the Changes in the Class of 2001*. Paper presented at the Association for Institutional Research Annual Meeting, Toronto, ON.
- McCoy, L.P. (2002, April). *The Effect of Demographic and Personal Variables on Achievement in Eighth Grade Algebra I*. Paper presented at the American Educational Research Association Annual Meeting, New Orleans, LA.
- McCoy, L.P., Heafner, T. L., Burdick, M. G., and Nagle, L. M. (2001, April). *Gender Differences in Computer Use and Attitudes on a Ubiquitous Computing Campus*. Paper presented at the American Educational Research Association Annual Meeting, Seattle, WA.
- Guice, A. A. & McCoy, L.P. (2001, April). *The Digital Divide in Native American Tribal High Schools: Two Case Studies*. Paper presented at the American Educational Research Association Annual Meeting, Seattle, WA.
- McCoy, L.P. (2001, April). *Incorporating Internet Resources*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting, Orlando, FL
- McCoy, L.P., Miller, E. M., & Bender, N. J. (2001, March). *Multimedia Resource File: A Practical Project for Preservice Teachers*. Paper presented at the Society for Information Technology and Teacher Education 12<sup>th</sup> International Conference, Orlando, FL.
- McCoy, L. P. (2000, October). *Hands-On Algebra*. Paper presented at School Science and Mathematics Association Annual Conference, Albuquerque, NM.
- McCoy, L. P. (2000, April). *Connections for the Future: Using the World Wide Web in Mathematics*. Paper presented at National Council of Teachers of Mathematics Annual Meeting, Chicago, IL.
- McCoy, L. P. (2000, April). *Computer Skills and Instructional Activities of Student Teachers and Cooperating Teachers*. Paper presented at American Educational Research Association Annual Meeting, New Orleans, LA.
- McCoy, L. P. (1999, September). *Cars, Critters, and Barbies: Hands-on Ratio and Proportion*. Paper presented at School Science and Mathematics/ North Carolina Council of Teachers of Mathematics Annual Meeting, Greensboro, NC.
- McCoy, L. P. (1999, April). *Continuing our Journey via the Information Highway: Math on the Internet*. Paper presented at National Council of Teachers of Mathematics Annual Meeting, San Francisco, CA.