

CURRICULUM VITAE

Maggie B. McGatha

University of Louisville
Department of Middle & Secondary Education
Louisville, KY 40292
859-852-0584
maggie.mcgatha@louisville.edu

EDUCATION

2000	Ed.D.	Vanderbilt University Major: Curriculum and Instructional Leadership Content Emphasis: Mathematics Education
1987	M.A.	Austin Peay State University Major: Elementary Education Content Specialty: Mathematics and Reading
1981	B.A.	Morehead State University Major: Elementary Education

PROFESSIONAL EXPERIENCE

- 2010-present *Associate Professor; Assistant Chair, Department of Middle & Secondary Education; University of Louisville*
- EDTP 677: Teacher Leadership: Coaching & Mentoring
 - EDTP 640: Cognitive Coaching
- 2004-2010 *Assistant Professor, University of Louisville*
- EDTP 604: Teaching Elementary School Mathematics
 - EDAP 677: Teacher Leadership: Coaching & Mentoring
- 2000 - 2004 *Assistant Professor, Northern Kentucky University*
- EDU 306: Teaching Elementary School Mathematics
 - EDU 347 & EDG 599: Teaching Mathematics in the Middle Grades
 - EDG 658: Assessment Techniques for P-12 Mathematics
 - EDG 659: Topics in Mathematics Education: Mighty Mathematicians
 - EDG 659: Topics in Mathematics Education: Number and Computation Across Grades 4-9
 - EDG 601: Contemporary Practices in Education
- 1995 - 2000 *Research Assistant, Vanderbilt University*
- Developing and Sustaining Technology-Intensive Classrooms Where Mathematics is Learned With Understanding (funded by NSF)
 - Exploring Statistical Understandings in Reform Mathematics Classrooms (funded by OERI)
 - Learning, Teaching, and Instructional Design in Reform Classrooms (funded by NSF)

Teaching Assistant, Vanderbilt University

- MTED 2200: Mathematics for Elementary Teachers
- MTED 2250: Teaching of Mathematics in the Elementary School

1982 – 1995 *Teacher, Mahaffey Middle School. Fort Campbell, KY*

GRANT AWARDS - EXTERNAL

- 2007-2009 Principal Investigator: *Improving Algebra Teaching and Learning in Kentucky Gear Up Schools/GEAR UP KY*. Kentucky Council on Postsecondary Education (\$165,000)
- 2007-2009 Principal Investigator: *Improving Algebra Teaching and Learning in Kentucky Gear Up Schools*. Kentucky Department of Education/Gear Up Kentucky (\$403,132)
- 2006-2007 Principal Investigator: *Improving Student Learning and Content Knowledge in Middle School Mathematics*. Kentucky Council on Postsecondary Education (\$142,211)
- 2006-2007 Principal Investigator: *Mathematics Coaching in Kentucky*. Kentucky Center for Mathematics. (\$16,646)
- 2002-2003 Co-Principal Investigator: *Coordinating Number and Computation Concepts across Grades Four through Nine*. Kentucky Council on Higher Education. (\$59,997)
- 2000-2001 Principal Investigator: *Middle School Collaborative*. Subcontract from the University of Wisconsin for the OERI National Research and Development Center on Achievement in School Mathematics and Science. (with Paul Cobb & Kay McClain).

GRANT AWARDS - INTERNAL

- May 2005 *Math Software for Intermediate Grades*. University of Louisville College of Education Technology Mini Grant (With Chuck Thompson).
- 2002-2003 Co-Principal Investigator: *Mighty Mathematicians, P-4*. NKU Center for Integrative Natural Science and Mathematics (CINSAM). (with Linda Sheffield)

ADDITIONAL GRANT WORK

- 2011 Co-chair: Grant funded by The Brookhill Foundation to host a second AMTE Elementary Mathematics Specialist (EMS) State Certification Conference. (\$70,000)
- 2010 Co-chair: Grant funded by The Brookhill Foundation to host the AMTE Elementary Mathematics Specialist (EMS) State Certification Conference. (\$60,000)
- 2009-2011 Consultant: Elementary Mathematics Specialists and Teacher Leaders. CICSO Learning Institute (McDaniel College, PI: Skip Fennell)
- 2009-2010 Algebra I Team Member: *Secondary Mathematics Curriculum Framework*. Kentucky Department of Education (University of Louisville, PI: Bill Bush)
- 2006-2010 Evaluation Team: *Evaluation of GEAR UP Kentucky II*. Kentucky Council on Postsecondary Education (University of Louisville, PI: Bill Bush)
- 2007-2008 Consultant: Alignment of Current Mathematics Content and Processes with the New NCTM (National Council of Teachers of Mathematics) *Curriculum Focal Points* (Collaborative for Teaching and Learning and University of Louisville)
- 2007-2008 Senior Personnel: *Formative Assessments in Middle Mathematics*. Kentucky Department of Education. (University of Louisville, PI: Bill Bush)
- 2002-2005 Researcher: Mathematics Diagnostic Assessment Team, US Department of Education (University of Louisville, PI: Bill Bush)
- 2004-2005 Researcher: Content-focused Coaching, Appalachian Collaborative Center for Learning, Assessment, and Instruction in Mathematics (ACCLAIM-University of Louisville, Co-PIs: Bill Bush & Vena Long)
- 2003-2004 Member: Teacher Quality Enhancement Grant (NKU)
- 2003-2004 Mentor: Appalachian Leadership Institute. Lexington, KY. Appalachian Collaborative Center for Learning, Assessment, and Instruction in Mathematics (ACCLAIM-University of Louisville, Co-PIs: Bill Bush & Vena Long)
- 2002-2003 Performance Assessment Development Task Force: Teacher Quality Enhancement Grant (Educational Professional Standards Board)
- 2002-2003 Leadership Institute Team: Appalachian Collaborative Center for Learning, Assessment, and Instruction in Mathematics (ACCLAIM-University of Louisville, Co-PIs: Bill Bush & Vena Long)

July 2003

Co-facilitator: Appalachian Leadership Institute. Lexington, KY.
Appalachian Collaborative Center for Learning, Assessment, and
Instruction in Mathematics (ACCLAIM- University of Louisville, Co-PIs:
Bill Bush & Vena Long)

PUBLICATIONS

Journal Articles – Refereed

McGatha, M. Shields, L., & Thomas, C. (submitted). *Building capacity through coaching: One district's story.*

Bush, S., **McGatha, M.** & Bay-Williams, J. (accepted). Invest in financial literacy! *Mathematics Teaching in the Middle School.*

McGatha, M. (Nov/Dec 2010). Best use of math teacher leaders. *Principal*, 90(2), 22-26.

Rakes, C. R., Valentine, J. C., **McGatha, M.**, & Ronau, R. (2010). Methods of instructional improvement in algebra: A systematic review and meta-analysis. *Review of Educational Research*, 80(3), 372-400.

McGatha, M. & Darcy, P. (February 2010). Rubrics at play. *Mathematics Teaching in the Middle School*, 15(6), 329-336.

McGatha, M., Bush, W., & Rakes, C. (May 2009). The effects of professional development in formative assessment on mathematics teaching performance and student achievement. *Journal of Multidisciplinary Evaluation*, 6(12), 32-43.

McGatha, M. (2008) Levels of engagement in establishing coaching relationships. *Teacher Development*, 12(2), 139-150.

McGatha, M. & Sheffield, L. (September 2006). Mighty mathematicians: Using problem posing and problem solving to develop mathematical power. *Teaching Children Mathematics*, 13(2), 79-85.

McGatha, M., Cobb, P., & McClain, K. (2002). An analysis of students' initial statistical understandings: Developing a conjectured learning trajectory. *Journal of Mathematical Behavior*, 16(3), 339-355.

McClain, K., **McGatha, M.**, and Hodge, L. (2000). Improving data analysis through discourse. *Mathematics Teaching in the Middle School*, 5(8), 548-553.

Journal Article in an Edited Book

McClain, K., **McGatha, M.**, & Hodge, L. (2002). Improving data analysis through discourse. In A. Teppo (Ed.), *Reflecting on NCTM's principles and standards in elementary and middle school mathematics*. (pp. 96-101). Reston, VA: NCTM. (Original work published 2000)

Working Paper

Appalachian Collaborative for Learning, Assessment, and Instruction in Mathematics (ACCLAIM). (2005). *Becoming a leader in mathematics: A study of leaders' professional development experiences, awareness, beliefs, and attitudes*. (Working Paper No. 26). Athens, OH: **McGatha, M.**, Bush, W., & Thorn, D.

Edited Journal – Invited

Ferrucci, B., Bush, W., & **McGatha, M.** (Eds.). (2006). Different perspectives on mathematics assessment [Special issue]. *New England Mathematics Journal*, 28(2).

Journal Articles - Invited

Brown, E. T., **McGatha, M.**, & Karp, K. (2006). Assessing teacher knowledge: Diagnostic assessments for elementary and middle school teachers. *New England Mathematics Journal*, 28(2), 37-50.

Bush, W. & McGatha, M. (2006). Different perspectives on mathematics assessment [Guest editorial]. *New England Mathematics Journal*, 28(2), 4-5.

Research Report – Invited (Invited submission; peer-reviewed for publication)

McGatha, M. (2009). Mathematics specialists and mathematics coaches: What does the research say? *National Council of Teachers of Mathematics Research Briefs*.
<http://www.nctm.org/clipsandbriefs.aspx>

Chapter in an Edited Book – Invited

Bush, W. S. & **McGatha, M.** (2012). Classroom assessment in mathematics. In James H. McMillan (Ed.), *Handbook of research on classroom assessment*. Thousand Oaks, CA: Sage

Bush, W. S., & **McGatha, M.** (2010). Teachers' knowledge, beliefs, and practices. In R. Charles and F. Lester (Eds.), *Teaching and learning mathematics: Translating research to the classroom*. Reston, VA: National Council of Teachers of Mathematics.

Book Reviews – Invited

McGatha, M. (October, 2007). [Review of the book *Mentoring toward excellence: Supporting and developing highly qualified teachers*]. *Journal of Education for Students Placed At Risk*, 12(3), 353-357.

Newsletter Articles – Invited

McGatha, M. (September, 2008). Message from the president. *Kentucky Council of Teachers of Mathematics Newsletter*, 1.

McGatha, M. (May, 2008). Message from the president. *Kentucky Council of Teachers of Mathematics Newsletter*, 1-2.

McGatha, M. (February, 2008). Message from the president. *Kentucky Council of Teachers of Mathematics Newsletter*, 1.

McGatha, M. (November, 2007). Message from the president. *Kentucky Council of Teachers of Mathematics Newsletter*, 1-2.

McGatha, M. (May, 2007). Message from the president. *Kentucky Council of Teachers of Mathematics Newsletter*, 1.

McGatha, M. (February, 2007). Message from the president. *Kentucky Council of Teachers of Mathematics Newsletter*, 1.

CONFERENCE PROCEEDINGS

McClain, K. & McGatha, M. (2000). An analysis of a case study in supporting elementary preservice teachers' professional growth. In M. Fernandez (Ed.), *Proceedings of the Annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (Vol. 2, pp. 585-591). Tucson, AZ: Program Committee of the PME-NA Conference.

McGatha, M., Cobb, P., & McClain, K. (1998). An analysis of students' initial statistical understandings. In S. Berenson (Ed.), *Proceedings of the Annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (Vol. 1, pp. 395-402). Raleigh, NC: Program Committee of the PME-NA Conference.

PROFESSIONAL PRESENTATIONS

National and International – Refereed

Rigelman, N. & **McGatha, M.** (2011, April). *Elementary mathematics specialists: Constructing state certification and transforming students' learning*. Presentation at the annual meeting of National Council of Teachers of Mathematics. Indianapolis, IN.

McGatha, M. & Rigelman, N. (2011, January). *Developing elementary mathematics specialists: Strategies for certification and program development*. Presentation at the annual meeting of Association of Mathematics Teacher Educators. Irvine, CA.

McGatha, M. (2010, January). *Critical features of mathematics coaching/specialists programs*. Presentation at the annual meeting of Association of Mathematics Teacher Educators. Irvine, CA.

McGatha, M. (2009, February). *What does the research say about mathematics specialists and coaches?* Presentation at the annual meeting of Association of Mathematics Teacher Educators. Orlando, FL.

Bush, W. & **McGatha, M.** (2009, February). *Formative assessment for middle school mathematics teachers*. Presentation at the annual meeting of Association of Mathematics Teacher Educators. Orlando, FL.

McGatha, M. (2009, April). *The top ten list for mathematics coaching programs*. Presentation at the annual meeting of National Council of Teachers of Mathematics. Washington, DC.

Rudasill, K., Bay-Williams, J., Jones, J., Ghosh, R., Bush, W., & **McGatha, M.** (2009, April). *College-going expectations and awareness among middle school students in low-income schools*. Presentation at the annual meeting of American Educational Research Association. San Diego, CA.

McGatha, M., Berry, R., Clements, D., Dempsey, N., & Sarama, J. (2008, April). *Mathematics specialists & coaches: Research and issues from the field*. Presentation at the research pre-session of the annual meeting of National Council of Teachers of Mathematics. Salt Lake City, UT.

McGatha, M. (2008, April). *Looking for a good coaching model?* Presentation at the annual meeting of National Council of Teachers of Mathematics. Salt Lake City, UT.

Darcy, P., & **McGatha, M.** (2008, April). *Using Cognitive Coaching to improve mathematics teaching and learning*. Presentation at the annual meeting of National Council of Teachers of Mathematics. Salt Lake City, UT.

McGatha, M. (2008, April). *What does the research say about coaching?* Presentation at the annual meeting of National Council of Supervisors of Mathematics. Salt Lake City, UT.

Thompson, C., Bay-Williams, J., Brown, E., Bush, W., & **McGatha, M.** (2008, April). *An analysis of state mathematics standards and assessments, grades K-8, with NCTM's Curriculum Focal Points*. Presentation at the annual meeting of National Council of Teachers of Mathematics. Salt Lake City, UT.

Bush, W., **McGatha, M.**, Darcy, P., & Montgomery, L. (2008, April). *Using formative assessment to improve students' understandings of rational number*. Presentation at the annual meeting of National Council of Teachers of Mathematics. Salt Lake City, UT.

Brown, T., Ronau, R., Karp, K., Bush, W., Thompson, C., & **McGatha, M.** (2007, January.) *An analysis of middle school teachers' knowledge of mathematics*. Presentation at the annual meeting of Association of Mathematics Teacher Educators. Irvine, CA.

Bush, W., Moody, V., & **McGatha, M.** (2007, January). *What mathematics Kentucky preservice middle school teachers are expected to know*. Presentation at the annual meeting of Association of Mathematics Teacher Educators. Irvine, CA.

Orthober, C., **McGatha, M.**, & Rowland, L. (2007, January). *Placement partnerships: Developing sustainable mentoring relationships during early field placements*. Presentation at the annual meeting of the Holmes Partnership. San Antonio, TX.

McGatha, M. & Bush, W. (2007, March). *What does the research say about coaching?* Presentation at the annual meeting of National Council of Teachers of Mathematics. Atlanta, GA.

Moody, V., Bush, W., **McGatha, M.** & Thompson, C. (2007, March). *Analysis of middle grades mathematics courses for teachers*. Presentation at the annual meeting of National Council of Teachers of Mathematics. Atlanta, GA.

McGatha, M., Brown, T., & Thompson, C. (2007, April). *What mathematics should elementary teachers really know?* Presentation at the annual meeting of the American Education Research Association. Chicago, IL.

Ronau, R., **McGatha, M.**, Brown, T., & Bush, B. (2006, January). *What mathematics do middle school teachers need to know?* Presentation at the annual meeting of Association of Mathematics Teacher Educators. Tampa, FL.

Thompson, C., Brown, T., **McGatha, M.**, Bush, B., & Karp, K. (2006, January.) *What mathematics do elementary teachers really need to know?* Presentation at the annual meeting of Association of Mathematics Teacher Educators. Tampa, FL.

McGatha, M. (2006, April). *Levels of engagement in establishing coaching relationships*. Presentation at the annual meeting of the American Education Research Association. San Francisco, CA.

McGatha, M. & Darcy, P. (2006, April). *Developing and using rubrics, 6-8*. Presentation at the annual meeting of National Council of Teachers of Mathematics. St. Louis, MO.

Bush, B., Ronau, B., Moody, M. & **McGatha, M.** (2006, April). *What we know about middle school teachers' knowledge of mathematics*. Presentation at the annual meeting of National Council of Teachers of Mathematics. St. Louis, MO.

Bush, W., Karp, K., Ronau, B., Thompson, C., **McGatha, M.** & Brown, T. (2005, April). *The reliability and validity of diagnostic mathematics assessments for middle school teachers*.

Paper presented at the annual meeting of the American Education Research Association. Montreal, Canada.

McGatha, M., Brown, T., Bush, W., Karp, K., Ronau, B., & Thompson, C. (2005, April). *Diagnostic teacher assessments for mathematics and science*. Paper presented at the research pre-session of the annual meeting of the National Council of Teachers of Mathematics. Anaheim, CA.

Bush, W., Karp, K., Ronau, B., Thompson, C., **McGatha, M.** & Brown, T. (2005, April). *Assessing middle school teacher's knowledge of mathematics*. Presentation at the annual meeting of the National Council of Teachers of Mathematics. Anaheim, CA.

McGatha, M., & Bush, W. (2005, January) *Becoming a leader: A study of leaders' beliefs, attitudes and professional development practices*. Presentation at the annual meeting of the Association of Mathematics Teacher Educators. Dallas, TX.

Bush, W., Karp, K., **McGatha, M.,** Ronau, B., & Thompson, C. (2004, April). *What mathematics do middle school teachers really need to know?* Presentation at the annual meeting of the National Council of Teachers of Mathematics. Philadelphia. PA

Bush, W., Karp, K., **McGatha, M.,** Ronau, B., & Thompson, C. (2004, January). *Diagnostic teacher assessments for middle grades mathematics teachers*. Presentation at the annual meeting of the Association of Mathematics Teacher Educators. San Diego, CA.

Foletta, G., Wilkinson, S., & **McGatha, M.** (2003, March). *Preparing middle-grades mathematics teachers*. Presentation at the American Mathematical Society/ Mathematics Education Reform workshop on Excellence in Undergraduate Mathematics: Mathematics for Teachers and Mathematics for Teaching. Ithaca, NY.

McGatha, M. (2003, April). *Does anyone really know what time it is?* Presentation at the annual meeting of the National Council of Teachers of Mathematics. San Antonio, TX.

McClain, K. & **McGatha, M.** (2001, April) *Case studies as a tool for supporting elementary mathematics pre-service teachers' professional growth*. Paper presented at the annual meeting of the American Education Research Association. Seattle, WA.

McClain, K. & **McGatha, M.** (2000, October). *An analysis of case studies in supporting elementary pre-service teachers' professional growth*. Paper presented at the Twenty-second annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Tucson, AZ.

McClain, K., Cobb, P., Gravemeijer, K., & **McGatha, M.** (1999, April). *Big ideas in statistical data analysis: Designing in a largely unmapped territory*. Symposium presented at the annual meeting of the American Education Research Association. Montreal, Canada.

McGatha, M., Cobb, P., & McClain, K. (1999, April). *Starting points of a learning trajectory*. Paper presented at the annual meeting of the American Education Research Association. Montreal, Canada.

McGatha, M., Cobb, P., & McClain, K. (1998, April). *An analysis of students' statistical understandings*. Paper presented at the annual meeting of the American Education Research Association. San Diego, CA.

McGatha, M., Cobb, P., & McClain, K. (1998, November). *An analysis of students' initial statistical understandings*. Paper presented at the Twentieth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Raleigh, NC.

National – Invited

McGatha, M. (2011). *Feedback and paraphrasing: Critical coaching skills*. Presentation at the summer project meeting of the Elementary Mathematics Specialists and Teacher Leaders Project. Westminster, MD.

McGatha, M. (2011). *You as a leader in mathematics: Learning, reflecting, and sharing*. Keynote address at the 2011 Math Recovery National Conference, Louisville, KY.

McGatha, M. (2009, June). *Elementary Mathematics Specialists and Teacher Leaders*. Presentation at the summer project meeting of the Elementary Mathematics Specialists and Teacher Leaders Project. Westminster, MD.

McGatha, M. & Darcy, P. (2004, September). *Assessment Academy, Grades 6-8*. National Council of Teachers of Mathematics. Indianapolis, IN.

McGatha, M. & Darcy, P. (2004, June). *Assessment Academy, Grades 6-8*. National Council of Teachers of Mathematics. Cleveland, OH.

Bush, W., **McGatha, M.**, Montgomery, L. & Hunt, J. (1995, February). *A network for enhancing middle grade mathematics teachers across Kentucky*. Presentation at Joining Forces: Spreading Successful Strategies co-sponsored by the National Science Foundation and the US Department of Education. Washington, DC.

Regional – Refereed

McGatha, M. (2011). *What's a mathematics coach to do?* Presentation at the regional meeting of the National Council of Teachers of Mathematics, St. Louis, MO.

McGatha, M. & Bay-Williams, J. (2009, November). *How do we prepare elementary mathematics specialists? Insights from around the United States*. Presentation at the annual conference of the Southeastern Regional Association of Teacher Educators. Louisville, KY.

McGatha, M., & Bush, W. (2005, November). *Using NCTM's classroom assessment series to improve mathematics assessment*. Presentation at the regional conference of the National Council of Teachers of Mathematics. Denver, CO.

Bush, W., **McGatha, M.**, & Brown, T. (2005, October). *Diagnostic assessments for middle school teachers*. Presentation at the regional conference of the National Council of Teachers of Mathematics. Birmingham, AL.

McGatha M. & Bush, W. (2005, October). *Using NCTM's classroom assessment series to improve mathematics assessment*. Presentation at the regional conference of the National Council of Teachers of Mathematics. Birmingham, AL.

McGatha, M., Schack, E., Miriti, L., Lindsey, J., & Murray, S. (2005, September). *Content-focused coaching*. Presentation at the Mathematics Teacher Preparation in Appalachia Fourth Annual Conference. Lexington, KY

State - Refereed

McGatha, M. & Bay-Williams, J. (2011). *Supporting the mathematical practices: What's in your coaching toolkit?* Presentation at the Kentucky Council of Teachers of Mathematics. Bowling Green, KY.

McGatha, M. (2009, October). *Mathematics specialists and coaches: Research and resources*. Presentation at the Kentucky Council of Teachers of Mathematics. Paris, KY.

McGatha, M., (2008, October). *First timer's orientation*. Presentation at the Kentucky Council of Teachers of Mathematics. Louisville, KY

McGatha, M., Weidemann, W., DeMoss, G. (2007, October). *A mathematics research and best-practices panel: Preparing students for college-level mathematics*. Presentation at the Teacher Quality Summit. Louisville, KY.

McGatha, M. (2007, October). *Using the calculator as a thinking tool in the elementary grades*. Presentation at the Kentucky Council of Teachers of Mathematics. Lexington, KY.

McGatha, M. (2005, September). *Assessing middle school teachers' knowledge of mathematics*. Presentation at the Kentucky Middle School Association annual meeting. Erlanger, KY.

McGatha, M. (2004, October). *Middle school mathematics assessment*. Presentation at the Kentucky Council of Teachers of Mathematics annual meeting. Frankfort, KY

McGatha, M., Sheffield, L., & Mann, S. (2003, March). *Mighty mathematicians (P-4)*. Presentation at the Kentucky Teaching and Learning Conference. Louisville, KY.

Sheffield, L., **McGatha, M.**, Harper, P., & Steffen, K. (2003, March). *Exploring rich, open-ended tasks for learning number and computation concepts in grades 4-9*. Presentation at the Kentucky Teaching and Learning Conference. Louisville, KY.

McGatha, M. (2002, September). *Teaching young children to tell time*. Presentation at the Kentucky Council of Teachers of Mathematics Annual Conference. Louisville, KY.

McGatha, M., Sheffield, L., Hertenberg, W., & Mann, S. (2002, September). *Mighty mathematicians, P-4*. Presentation at the Kentucky Council of Teachers of Mathematics annual conference. Louisville, KY.

Sheffield, L., **McGatha, M.,** Harper, P., Muzny, C., & Steffen, K. (2002, September). *Coordinating number and computation concepts across grades four through nine*. Presentation at the Kentucky Council of Teachers of Mathematics annual conference. Louisville, KY.

McGatha, M. (2002, March). *Using multimedia case studies to support pre-service teachers' professional growth*. Presentation at the Kentucky Teaching and Learning Conference. Louisville, KY.

McGatha, M. (2001, November). *What you never learn in math methods courses*. Presentation at the Kentucky Council of Teachers of Mathematics annual conference. Owensboro, KY.

McGatha, M., Comache, L., & Jewell, L. (1994, October). *Space and Dimensionality*. Presentation at the annual meeting of the Kentucky Council of Teachers of Mathematics. Union, KY.

McGatha, M. & Hunter, B. (1992, October). *An advisor-advisee program that works*. Presentation at the annual meeting of the Kentucky Middle School Association. Covington, KY.

State - Invited

McGatha, M. (2010, April). *Elementary mathematics specialist certification*. Presentation to the Committee for Mathematics Achievement, Frankfort, KY.

McGatha, M., Mohr, M. & Thomas, R. (2009, November). *Mathematics education research committee report*. Presentation at the Kentucky Association of Colleges of Teacher Education fall retreat, Louisville, KY.

McGatha, M., Bush, W., & Bigdeli-Jahed, F. (2006, November). *Improving student learning and content knowledge in middle school mathematics*. Presentation at Partnerships for Professional Development: The Improving Educator Quality State Grant Program Conference, Lexington, KY.

McGatha, M. & Schack, E. (2006, June) *Mathematics assessment*. Presentation for the Kentucky Center for Mathematics Coaches' Institute. Newport, KY.

McGatha, M. (2005, October). *Coaching: What does the research say?* Presentation for the Committee for Mathematics Achievement. Frankfort, KY.

McGatha, M. (2005, October). *Mathematics assessment: Creating and using rubrics*. Presentation at the Ohio Council of Teachers of Mathematics annual meeting, Dayton, OH.

Bush, W. & **McGatha, M.** (2004, October). *Strategies for pushing mathematics achievement to the next level*. Presentation at the Kentucky Association of Assessment Coordinators annual meeting. Louisville, KY.

McGatha, M. (2004, October) *NCTM Assessment Mini-Academy, Grades 6-8*. Michigan Council of Teachers of Mathematics annual meeting, Detroit, MI.

McGatha, M. (2002, September). *Coordinating number and computation concepts across grades four through nine*. Presentation at the Eisenhower Day of Sharing. Western Kentucky University, Bowling Green, KY.

McGatha, M. & Smith, C. (1986, June). *Advisor-advisee: It can work*. Presentation at the Tenth Annual Summer Conference of the Tennessee Association of Middle Schools, Gatlinburg, TN.

Local - Invited

McGatha, M., Bay-Williams, J., & Hunter, S. (2011-2012). Success with a mathematics academy. Presentation for the Ohio Valley Educational Cooperative. Shelbyville, KY

McGatha, M. (2010, August-November). *Cognitive Coaching Foundation Seminar*[®]. Presentation for the Ohio Valley Educational Cooperative. Shelbyville, KY

McGatha, M. (2010, June). *Cognitive Coaching*SM *Overview*. Presentation for the Ohio Valley Educational Cooperative. Shelbyville, KY.

McGatha, M. (2010, June). *Cognitive Coaching*SM *Overview*. Presentation for the Oldham County Schools (assistant Principals). Crestwood, KY.

McGatha, M. (2010, January). *Proportional Reasoning (6-8)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. (2010, February). *Fractional Concepts (K-1)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. (2010, February). *Fractional Concepts (2-3)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. (2010, February). *Fractional Concepts (4-5)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. (2010, January-April). *Cognitive Coaching Foundation Seminar*[®]. Presentation for the Ohio Valley Educational Cooperative. Shelbyville, KY

McGatha, M. (2010, January-April). *Cognitive Coaching Foundation Seminar*[®]. Presentation for the Oldham County Schools (Principals). Louisville, KY.

McGatha, M. (2009, November). *Conversation Skills*. Presentation for the Kentucky Autism Training Center. Louisville, KY.

McGatha, M. (2009, November). *Lenses on Learning: Observing Today's Mathematics Classrooms*. Presentation for the Ohio Valley Educational Cooperative. Shelbyville, KY

McGatha, M. (2009, October). *Teacher Leadership*. Presentation for Foster Traditional Academy, JCPS, Louisville, KY.

McGatha, M. (2009, October). *Developing Fraction Concepts (6-8)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. (2009, October). *Developing Understanding in Mathematics (4-5)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. (2009, October). *Developing Understanding in Mathematics (2-3)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. (2009, September). *Developing Understanding in Mathematics (K-1)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. (2009, August-December). *Cognitive Coaching Foundation Seminar*[®]. Presentation for the Ohio Valley Educational Cooperative. Shelbyville, KY

McGatha, M. (2009, August-December). *Cognitive Coaching Foundation Seminar*[®]. Presentation for the Jefferson County Public Schools (Elementary Principals). Louisville, KY.

McGatha, M. (2009, August-December). *Cognitive Coaching Foundation Seminar*[®]. Presentation for the Jefferson County Public Schools (Resource Teachers-Cohort I). Louisville, KY.

McGatha, M. (2009, August-December). *Cognitive Coaching Foundation Seminar*[®]. Presentation for the Jefferson County Public Schools (Resource Teachers-Cohort II). Louisville, KY.

McGatha, M. (2009, August). *Assessing Leadership Capacity*. Presentation for Foster Traditional Academy, JCPS, Louisville, KY.

McGatha, M. (2009, August). *Developing Understanding in Mathematics (6-8)*. Presentation for Christian Academy. Louisville, KY.

McGatha, M. & Thompson, C. (2009, February). *Teacher preparation program overview*. Presentation for the International Visitor Leadership Program. Louisville, KY.

McGatha, M. (2009, January). *Cognitive Coaching*SM *Initiative*. Presentation for the advisory board of the Nystrand Center of Excellence in Education. Louisville, KY.

McGatha, M. & Gross, M. (2009, January). *Formative assessment in mathematics*. Presentation for Spencer County Schools. Taylorsville, KY.

McGatha, M. (2008, August). *Cognitive Coaching: An overview*. Presentation for Oldham County Schools. Crestwood, KY.

McGatha, M. (2008, May). *Assessing Leadership Capacity*. Presentation for Stohper Elementary School, JCPS, Louisville, KY.

McGatha, M. (2008, January). *Teacher Leadership*. Presentation for Stohper Elementary School, JCPS, Louisville, KY.

McGatha, M. (2007, September). *Peer Coaching and Mentoring*. Presentation at the Fall Leadership Workshop for Alpha Gamma State of Delta Kappa Gamma International. Louisville, KY.

McGatha, M. (2006, December). *Mentoring Pre-Service Teachers*. Presentation for the CEHD University Supervisors' Orientation, Louisville, KY.

McGatha, M. (2006, December). *Mentoring Pre-Service Teachers*. Presentation for the CEHD Cooperating Teachers' Orientation, Louisville, KY.

McGatha, M. (2006, October) *Cognitive Coaching: An overview*. Presentation for the Ohio Valley Educational Consortium. Shelbyville, KY.

McGatha, M. (2006, September) *Developing mentor relationships*. Presentation for the Ohio Valley Educational Consortium. Shelbyville, KY.

McGatha, M. (2006, July) *Mentoring pre-service teachers*. Presentation for Jefferson County Public Schools. Louisville, KY.

McGatha, M. (2006, July) *Developing mentor relationships*. Presentation for the Ohio Valley Educational Consortium. Shelbyville, KY.

McGatha, M. (2006, June 5) *Mentoring pre-service teachers*. Presentation for Jefferson County Public Schools. Louisville, KY.

McGatha, M. (2006, June 12) *Mentoring pre-service teachers*. Presentation for Jefferson County Public Schools. Louisville, KY.

McGatha, M. (2006, May) *Mentoring pre-service teachers*. Presentation for Jefferson County Public Schools. Louisville, KY.

McGatha, M. (2006, January) *Coaching*. Presentation for Shelby County Schools. Shelbyville, KY.

McGatha, M. (2005, July) *Coaching*. Presentation for Shelby County Schools. Shelbyville, KY.

McGatha, M. (2005, July). *Middle grades mathematics placement*. Presentation for the West Middle School Site-based Decision Making Council. Shelbyville, KY.

McGatha, M. (2005, June). *Mathematics Assessment (Number & Operation), K-5*. Ohio Valley Educational Consortium. Shelbyville, KY

McGatha, M. (2005, March). *Examining Student Work to Improve Achievement*. Ohio Valley Educational Consortium. Shelbyville, KY

McGatha, M. (2005, February). *Best practices in mathematics*. Presentation for the Shelby County District Mathematics Content Committee. Shelbyville, KY.

McGatha, M. (2004, December). *Bests practices in middle school mathematics*. Presentation for the Shelby County Middle School Initiative. Shelbyville, KY.

McGatha, M. (2004, June). *Mathematics Assessment(Probability & Statistics), K-5*. Ohio Valley Educational Consortium. Shelbyville, KY

McGatha, M. (2004, February). *Assessment of Student Learning*. Faculty Development Center, Northern Kentucky University.

McGatha, M. (2003, September). *Measurement*. Gallatin County Upper Elementary School. Warsaw, KY

McGatha, M. (2003, August). *Number and Operation*. Gallatin County Lower and Upper Elementary School. Warsaw, KY

McGatha, M. (2003, June). *Inquiry-based Mathematics Teaching*. Gallatin County Lower and Upper Elementary School. Warsaw, KY

McGatha, M. (2003, May). *Mathematics/Science Academic Alliances*. Presentation at the NKU Education Mini-Conference. Highland Heights, KY.

McGatha, M. (2003, February). *Mathematics textbook adoption*. Opening session presentation at the CINSAM Mathematics Textbook Fair, Highland Heights, KY.

McGatha, M., Moore, P., & Sheffield, L. (2002, May). *Community-based Models of Collaboration: Middle School Math Day*. Presentation at the NKU Education Mini-Conference. Highland Heights, KY.

McGatha, M. (2002, February). *Data Analysis*. Holmes Junior High School (7th grade). Covington, KY

McGatha, M. (2002, January). *Navigating Through Geometry*. Ohio Valley Educational Consortium. Carrolton, KY

McGatha, M. (2002, January). *Data Analysis*. Holmes Junior High School (8th grade). Covington, KY

McGatha, M. (2002, January). *Navigating Through Geometry*. Ohio Valley Educational Consortium. Carrollton, KY

McGatha, M. (2001, June). *Algebraic Thinking*. Ohio Valley Educational Consortium. Shelbyville, KY

McGatha, M. & Colvin, A. (2000, October). *Using Data to Make Comparisons and Decisions – Peanut Butter Taste Test*. Presentation at Northern Kentucky Council of Teachers of Mathematics Fall Meeting. Highland Heights, KY.

McGatha, M. (2000, October). *New Ideas from Principles and Standards for School Mathematics*. Owen County School System. Owen County, KY

McGatha, M. (2000, May). *Individualizing Math Instruction for Optimum Student Achievement*. Walnut Grove Elementary School. Williamson County, TN

McGatha, M. & McClain, K. (1998, June). *Integrating Probability and Statistics into the Curriculum*. Nashville Metropolitan School District. Nashville, TN

McGatha, M., Johnson, W., Kunnecke, B., Putnam, D., & Schempp, N. (1994, August). *Kentucky Middle Grades Mathematics Teacher Network*. Ninety-hour professional development for middle-grades teachers in the Western Kentucky region. Murray, KY

McGatha, M. (1994, August). *Geometry in Middle-School Mathematics*. Fort Campbell Schools. Fort Campbell, KY.

McGatha, M. (1993, September). *Mathematics Portfolios*. Fort Campbell Schools. Fort Campbell, KY.

McGatha, M. (1993, August). *Mathematics Portfolios*. Trigg County Schools. Cadiz, KY.

McGatha, M. (1992, October). *Making the Transition to Middle School*. Campbell County Schools. Alexandria, KY.

McGatha, M. (1992, August). *The NCTM Standards*. Fort Campbell Schools. Fort Campbell, KY.

McGatha, M. (1992, August). *Teaching Math with USA Today*. Fort Campbell Schools. Fort Campbell, KY.

McGatha, M. (1985, March). *The Fort Campbell Middle School Story*. Transition to Middle School Conference, Lacey, WA.

McGatha, M. (1985, March). *The Role of Team Leaders and Team Members*. Transition to Middle School Conference. Lacey, WA.

SERVICE

National

2011-2014	Secretary, Association of Mathematics Educators (AMTE)
2010-present	Member, The Brookhill Foundation EMS Advisory Board
2010-2011	Co-chair, Association of Mathematics Teacher Educators (AMTE) Elementary Mathematics Specialists (EMS) Second State Certification Conference
2010	Chair, Association of Mathematics Teacher Educators (AMTE), Association of State Supervisors of Mathematics (ASSM), National Council of Supervisors of Mathematics (NCSM) and National Council of Teachers of Mathematics (NCTM) Joint Position Statement Task Force
June 2010	Co-chair, Association of Mathematics Teacher Educators (AMTE) Elementary Mathematics Specialists (EMS) State Certification Conference
2010-2011	Member, Association of Mathematics Teacher Educators (AMTE) Constitution and By-Laws Committee
2009-2010	Member, Association of Mathematics Teacher Educators (AMTE) Elementary Mathematics Specialists (EMS) Project Team that wrote the <i>Standards for Elementary Mathematics Specialists: A Reference for Teacher Credentialing and Program Development</i>
July 2009	Reviewer, <i>The Elementary School Journal</i> (Special Issue on Coaching)
2007-2009	Member, Association of Mathematics Teacher Educators Mentoring Committee
Feb 2007	Reviewer, <i>The Journal of Education for Students Placed at Risk</i>
May 2006	Co-Editor (with Bill Bush), <i>New England Mathematics Journal</i> (Focus Issue on Mathematics Assessment)
2005 - present	Reviewer, <i>Mathematics Teaching in Middle School</i> , National Council of Teachers of Mathematics
2005 – present	Reviewer, <i>The Teacher Educator</i> , Teachers College.
2005 - present	Reviewer, <i>Mathematical Thinking and Learning: An International Journal</i> , Lawrence Erlbaum Associates, Inc.

- Jan 2005 Reviewer (w/CRMSTD faculty), *The Mathematics Pre-Service Teachers Need to Know*, Review requested by US Department of Education.
- May 2001 Reviewer, *Navigating Through Data Analysis and Probability in PreK Through Grade 2*. National Council of Teachers of Mathematics publication.

State

- 2011-present Treasurer, Kentucky Association of Colleges of Teacher Education
- 2010-present Facilitator, Kentucky Mathematics Leadership Network (OVEC Region)
- June 2010 Reviewer, Kentucky Presidential Award Winners (Math). Kentucky Department of Education
- July 2009-2012 Member, KACTE Mathematics Education Research Committee
- July 2009-2012 EMS Working Group Chair, KACTE Mathematics Education Research Committee
- June 2009 Reviewer, Kentucky Presidential Award Winners (Math). Kentucky Department of Education
- 2009-2011 Past-President, Kentucky Council of Teachers of Mathematics
- 2007-2009 President, Kentucky Council of Teachers of Mathematics
- 2005-2007 President Elect, Kentucky Council of Teachers of Mathematics
- 2005-2007 Program Chair, Kentucky Council of Teachers of Mathematics
- 2005-2007 NCTM Representative, Kentucky Council of Teachers of Mathematics
- 2005-present Kentucky Schools To Watch Review Team
- 2005-present Member, Kentucky Forum to Accelerate Middle Grades Reform
- December 2005 Reviewer, Kentucky High School Diagnostic Mathematics Assessment, Kentucky Department of Education
- June 2005 Content Advisory Committee (Middle School), Kentucky Department of Education
- May 2005 Reviewer, Kentucky Presidential Award Winners (Math). Kentucky Department of Education
- June 2004 Content Advisory Committee (Elementary), Kentucky Department of Education

2001-2004 Executive Board Member, Kentucky Council of Teachers of Mathematics

December 2003 Facilitator, *Considering New Curricula Seminar*, Lexington, KY

July 2002 Mathematics Curriculum Review Team, Kentucky Department of Education

2001-2002 President, Kentucky Association of College Mathematics Educators

1995 Mathematics Task Force, Kentucky Educational Standards Board

1993-1996 Coach, Kentucky Middle Grades Mathematics Teacher Network

Local

March 2011 Reader, Atkinson Academy for Kentucky Literacy Celebration Week

2010-2011 Facilitator, Louisville Archdiocese Algebra I (60 hours)

October 2004 Volunteer Interviewer, Middle School Connection, Jefferson County Public Schools, Louisville, KY

Sept 2004-2005 Committee Member, Shelby County Middle School Initiative, Shelbyville, KY

April 2004 Presenter, CATS Meow (State testing pep rally), Hindemann Elementary School, Erlanger, KY

2003-2004 Internship Committee for Amy Santini, Campbell County Middle School, Alexandria, KY

September 2003 Facilitator, CINSAM Night for Teachers, Northern Kentucky University

April 2003 Coordinator, Campbell County Middle School Math Fair

2002-2004 President, Northern Kentucky Council of Teachers of Mathematics

2002-2003 Internship Committee for Amanda Brach, Highlands Middle School, Highland Heights, KY

November 2002 Instructor, CINSAM Middle School Math Day, Northern Kentucky University

October 2002 Participant, 2002 Collaborative Exchange Visit, PT³ Grant, Northern Kentucky University

September 2002 Facilitator, CINSAM Day for Teachers, Northern Kentucky University

March 2002 Coordinator, Silver Grove Math Day

March 2002 Coordinator, Activity Centers for CINSAM/NKU Math Day

2001-2002 Internship Committee for Kimberly Snowball, Campbell County Middle School, Campbell County, KY

2001-2002 Internship Committee for Christy Rhoades, Campbell County Middle School, Campbell County, KY

2001-2002 Internship Committee for Amy Wiley, Campbell County Middle School, Campbell County, KY

2001-2002 Internship Committee for Kathy Potter, Campbell County Middle School, Campbell County, KY

2001-2002 Internship Committee for Tim Rowbotham, Campbell County Middle School, Campbell County, KY

2001-2002 Member of Teacher Leadership of Northern Kentucky coordinated by the Northern Kentucky Chamber of Commerce

November, 2001 Teacher Exchange – Northern Kentucky Education Week

October, 2001 Facilitator, CINSAM Night, Northern Kentucky University

2000-2002 Vice President, Northern Kentucky Council of Teachers of Mathematics

2000-2001 Member of Internship Committee for Lynn Ledford, White’s Tower Elementary, Kenton County, KY

1990 SACS Visitation Team, Henderson County Schools. Henderson, KY

University

2003-2004 CINSAM Outreach Committee, Northern Kentucky University

2003-2004 Faculty Senator, Elementary, Middle and Secondary Programs, Northern Kentucky University

2003-2004 Benefits Committee, Northern Kentucky University

2003-2004 Summer Fellowship Subcommittee (Benefits Committee), Northern Kentucky University

Spring 2003 University-Community Partnership Committee, Northern Kentucky University

2002-2003	Faculty Senator, Elementary, Middle and Secondary Programs, Northern Kentucky University
2002-2003	Benefits Committee, Northern Kentucky University
2002-2003	Summer Fellowship Subcommittee (Benefits Committee), Northern Kentucky University
2002-2003	CINSAM Outreach Committee, Northern Kentucky University
Spring 2002	University-Community Partnership Committee, Northern Kentucky University
Spring 2002	CINSAM Mathematics Day Committee, Northern Kentucky University
2001-2002	Faculty Senator, Elementary, Middle and Secondary Programs, Northern Kentucky University
2001-2002	Professional Concerns Committee, Faculty Senate, Northern Kentucky University
2001-2002	Academic Standards Subcommittee (Professional Concerns Committee), Northern Kentucky University

College

2010-present	By-Laws Revision Committee, University of Louisville
2010-present	CEHD Committee on Committees, University of Louisville
2009-2011	Student Academic Grievance Committee, University of Louisville
2008-present	Planning and Budget Committee, University of Louisville
2008-present	College Educator Preparation Committee, University of Louisville
2006-2009	NCATE Institutional Report Committee – Standard 4-Diversity, University of Louisville
2007-2009	CEHD Graduate Studies Transitions Committee, University of Louisville
2007-2008	CEHD Study Group on Doctoral Education, University of Louisville
2006-2008	Diversity Committee, University of Louisville
2006-2009	Planning & Budget Committee, University of Louisville

- 2005-2006 NCATE Institutional Report Committee – Standard 2-Assessment, University of Louisville
- 2003-2004 Department Chair Search Committee, College of Education, Northern Kentucky University
- 2002-2003 NCATE Institutional Report Committee – Field Experiences and Unit Capacity, Northern Kentucky University

Department

- 2010-present MISE Representative, Personnel Committee
- 2010-present Assistant Chair, Department of Middle & Secondary Education
- 2007-2009 Chair, M.Ed. Redesign Committee
- 2008-2009 Mathematics Education Search Committee, Department of Teaching & Learning, University of Louisville.
- 2006-2007 Chair, Middle/Secondary Education Search Committee, Department of Teaching & Learning, University of Louisville.
- 2005-2006 Chair, Middle/Secondary Education Search Committee, Department of Teaching & Learning, University of Louisville.
- 2005-present Middle/Secondary Program Committee, Department of Teaching & Learning, University of Louisville.
- 2005-2011 Planning and Budget Committee, Department of Teaching & Learning, University of Louisville.
- Spring 2005 Early Childhood Education Search Committee, Department of Teaching & Learning, University of Louisville.
- 2004-2007 Elementary Program Committee, Department of Teaching & Learning, University of Louisville
- 2003-2004 Chair, Faculty Search Committee (Middle Grades), Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University
- Spring 2004 Peer Review Committee for Ernest Barnett, Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University
- Spring 2004 Peer Review Committee for Missy Jones, Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University

2002-2003	Professional Development Committee, Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University
2002-2003	Faculty Search Committee (Middle School), Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University
Fall 2002	Peer Review Committee for Denise Dalmer, Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University
Spring 2002	Scholarship Committee, Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University
2001-2002	Professional Development Committee, Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University
2000-2001	Professional Community Committee, Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University
Fall 2000	Peer Review Committee for Mary Kirk, Department of Elementary, Middle, & Secondary Programs, Northern Kentucky University

PROFESSIONAL AFFILIATIONS

Association of Mathematics Teacher Educators
 Association of Supervision and Curriculum Development
 American Educational Research Association
 Appalachian Association of Mathematics Teacher Educators
 Center for Cognitive Coaching (Agency Trainer, Spring 2009-present)
 Delta Kappa Gamma
 Greater Louisville Council of Teachers of Mathematics
 Kappa Delta Pi
 Kentucky Council of Teachers of Mathematics
 Kentucky Middle School Association
 National Council of Teachers of Mathematics
 National Council of Supervisors of Mathematics
 National Middle School Association
 National Staff Development Council
 Phi Delta Kappa