

Curriculum Vita

MICHAELE F. CHAPPELL, Ph.D.

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EDUCATION

1991 – Ph.D. (Mathematics Education), The Florida State University [FSU]
1983 – M.S.T. (Mathematics Education), Georgia Southern University [GSC]
1981 – B.S.Ed. (Mathematics Education), Georgia Southern University

PROFESSIONAL EXPERIENCE

Fall 2001 – current *Professor, Mathematical Sciences, MTSU*
Fall 2004 – 2006 *Interim Chair, Mathematical Sciences, MTSU*
Fall 1997 – Sum 2001 *Associate Professor (w/ Tenure), Secondary Education*
 University of South Florida [USF]
Spg 1991 – Sum 1997 *Assistant Professor, Secondary Education, USF*
Fall 1990 *Mathematics Education Instructor, Curriculum & Instruction, FSU*
Fall 1989 *Student Teacher Supervisor, Curriculum & Instruction, FSU*
Summer 1989 *Research Assistant, Educational Research, FSU*
Fall 1988 – Spg 1989 *Instructor, Curriculum & Instruction, FSU*
Summer 1988 *Instructor, Childhood Education, FSU*
Summer 1988 *Research Assistant, Curriculum & Instruction, FSU*
Summer 1987 *Instructor, Mathematics, FSU*
Summer 1984 *Math Coordinator & Instructor, Enrichment Program, GSC*
Fall 1983 – Win 1986 *Instructor, Mathematics, GSC*
Fall 1981 – Sum 1986 *Mathematics Teacher, Statesboro High School, Statesboro, GA*

Research Areas of Interests:

- Integrating the Arts to learn STEM disciplines
- Teacher Professional Development
- Mathematics Achievement for African-American Learners

RESEARCH/SCHOLARLY PUBLICATIONS

Books:

Ferrucci, B. J., & Chappell, M. F. (Eds.). (May, 2010). Empowering and supporting new teachers of mathematics. New England Mathematics Journal, 42.

Chappell, M. F., & Thompson, D.R. (2009). *Math, Culture, and Popular Media: Activities to engage middle schools students through film, literature, and the internet.* Greenwood Heinemann Publishers, Portsmouth, NH.

Chappell, M.F., Shielack, J., & Zagorski, S. (Eds.). (2004). Empowering the beginning teacher of mathematics in elementary school [Volume III]. Reston, VA: National Council of Teachers of Mathematics.

Chappell, M.F., & Pateracki, T. (Eds.). (2004). Empowering the beginning teacher of mathematics in middle school [Volume II]. Reston, VA: National Council of Teachers of Mathematics.

Chappell, M.F., Choppin, J., & Salls, J. (Eds.). (2004). Empowering the beginning teacher of mathematics in high school [Volume I]. Reston, VA: National Council of Teachers of Mathematics.

Book Chapters:

Chappell, M. F., & Thompson, D. R. (2012). “*Coaching Teachers to Integrate Culture in Mathematics Instruction through Media.*” In the Proceedings of the Twelfth International Congress on Mathematics Education (ICME-12), COEX, Seoul, Korea.

Johnson, J., & Chappell, M. Mentoring Mindsets for the Mathematics Teacher. (2009). In Empowering the Mentor of **Beginning** Mathematics Teachers. NCTM, Reston, VA.

Johnson, J., & Chappell, M. Mentoring Mindsets for the Mathematics Teacher. (2009). In Empowering the Mentor of **Preservice** Mathematics Teachers. NCTM, Reston, VA.

Kimmins, D. L. & Chappell, M. (2004). Positioning teachers to enact standards-based instruction. In D. McDougall (Ed.), Proceedings of the Twenty-sixth Annual Meeting of the Psychology of Mathematics Education—North American Chapter, Vol. 3, (p. 1049-1055). Toronto, Canada.

Chappell, M.F. (2003). Keeping Mathematics Front-and-Center: Reaction to Middle Grades Curriculum Projects Research. In S. Senk and D. Thompson (Eds.), Standards-oriented school mathematics curricula: What does research say about student outcomes? (Pp. 285-296). Mahwah, NJ: LEA.

Thompson, D. R., Chappell, M. F. & Austin, R. A. (2002). Using Native American legends to explore mathematics. For J. Hanks and G. Fast (Eds.), Changing the faces of mathematics: North America Indigenous People=s Perspectives. (pp. 129-144). Reston, VA: National Council of Teachers of Mathematics.

Chappell, M.F. (2001). Reconsidering the Mathematics that Teachers need to Know: Analyzing Student Work. In National Research Council /Mathematical Sciences Education Board, Knowing and Learning Mathematics for Teaching: Proceedings of a Workshop. (pp. 53-59). Washington, DC: NAS.

Chappell, M. F., & Thompson, D. R. (2000). Fostering multicultural connections in mathematics through media. For M. L. Strutchens (Ed.), Changing the faces of mathematics: Perspectives on African Americans. (pp. 135-150). Reston, VA: National Council of Teachers of Mathematics.

Thompson, D. R., Chappell, M. F., & Austin, R. A. (1999). Exploring mathematics through Asian folktales. For C. Edwards (Ed.), Changing the faces of mathematics: Perspectives of Asian Americans and Pacific Islanders. (pp. 1-11). Reston, VA: National Council of Teachers of Mathematics.

- Walker, P., & Chappell, M.F. (1997). Reshaping perspectives on teaching mathematics in urban diverse settings. In M. Kenney, & J. Trentacosta (Eds.), Multicultural and gender equity: The gift of diversity. Reston, VA: National Council of Teachers of Mathematics, p. 201-208.
- Chappell, M.F., & Najee-ullah, D. H. (1996). African Americans and mathematics education. In F. C. Jones-Wilson, C. Asbury, M. Okazawa-Rey, D.K. Anderson, S. M. Jacobs, & M. Fultz (Eds.), The Encyclopedia of African-American education (pp. 277-80). Westport, CT: Greenwood Press.
- Chappell, M.F. & Thompson, D.R. (1994). Modeling the *Standards*: Ideas for initial teacher preparation programs. In D. B. Aichele, & A.F. Coxford (Eds.), Professional Development for Teachers of Mathematics, (pp. 186-199). Reston, VA: National Council of Teachers of Mathematics.
- Jakubowski, E. H. & Chappell, M. (1989). Prospective elementary teachers= beliefs about mathematics. In C. A. Maher, G. A. Goldin, & R. B. Davis (Eds.), Proceedings of the Eleventh Annual Meeting of the Psychology of Mathematics Education--North American Chapter, (pp. 285-88). New Brunswick, NJ: Center for Mathematics, Science, and Computer Education.

Journal Articles:

- Thompson, D.R., & Chappell, M.F. (2007). Communication and representation as elements in mathematical literacy. *Reading and Writing Quarterly*, 23, p. 1-18.
- Kersaint, G., & Chappell, M.F. (2004). What do you see? A case for examining students' work. *Mathematics Teacher*. 97(2), p. 102-105.
- Kersaint, G., & Chappell, M.F. (2001). Helping teachers promote problem solving with young at-risk children. *Early Childhood Education Journal*.29(1), p.57-63.
- Chappell, M. F., & Strutchens, M. E. (2001). Creating Connections: Promoting algebraic thinking with concrete models. *Mathematics Teaching in the Middle School* 7(1), p. 20-25.
- Chappell, M.F. (2001). Geometry in the middle grades: From its past to the present. *Mathematics Teaching in the Middle School* (Department: *Spotlight on the Standards*). 6(9), p. 516-19.
- Kersaint, G., & Chappell, M. F. (2001). Capturing students' interest: A quest to discover mathematics potential. *Teaching Children Mathematics*. 7(9), p. 512-17.
- Chappell, M. F, & Thompson, D.R. (2000). "A Raisin in the Sun:" Fostering cultural connections in mathematics with a classic movie. *Mathematics Teaching in the Middle School*. 6(4), p. 222-25; 233-35.
- Chappell, M. F, & Thompson, D.R. (1999). Take Time for Action: Perimeter or area? Which measure is it? *Mathematics Teaching in the Middle School*.5(1), p. 20-23.
- Chappell, M. F, & Thompson, D.R. (1999). Reflection on Practice: Modifying our questions to assess students' thinking. *Mathematics Teaching in the Middle School*. 4(7), p. 470-74.

Chappell, M. F. (1997). Preparing students to enter the gate. *Teaching Children Mathematics* (Algebraic Thinking Focus Issue). 3(6), p. 266-67.

Chappell, M. F, Thompson, D.R., & Austin, R. A. (1996). Effecting change in middle school mathematics teachers: A case study. In The 8th International Congress on Mathematical Education: Book of Abstracts of Short Presentations, (p. 447). Seville, Spain.

Chappell, M. F. (1992). Tools for thinking: A case study of fourth-graders' learning of area measurement. In The 7th International Congress on Mathematical Education: Book of Abstracts of Short Presentations, (p. 218). Quebec, Canada: Universite Laval.

Works In Progress:

Smith, D., Chappell, M. F, & Bell, J. (work in progress). The Power of STEAM: An Innovative Approach to Promote Mathematics. Prepared for submission to *Mathematics Teacher*.

Non-Refereed Manuscripts:

Chappell, M.F., and Najee-ullah, D.H. (2000, October). Multicultural issues necessary for teacher preparation in mathematics: Moving beyond awareness. In *Mathematics Education Dialogues*, (Forum newsletter of the National Council of Teachers of Mathematics), 4 (1).

Chappell, M. F. (1995, Winter). The *Rhyme or Reason* for reflecting on professional development. In The Banneker News: Newsletter of the Benjamin Banneker Association, Inc., pp. 1, 3.

Technical Reports:

Chappell, M. F. (1993, October). Statement of research focus. In P. F. Campbell and M. L. Hala, NCTM Standards Research Catalyst Conference: Appendix D. Research Focus of Participants. Reston, VA: National Council of Teachers of Mathematics. (Final Report for the National Science Foundation, MDR-9054960).

Browning, C. A., Chappell, M. F., Graeber, A. O., Hiebert, J., Kilpatrick, J., Rathmell, E. C., Rachlin, S., Shelly, B., Thompson, P. W., Tinto, P. P., Wallace, M., & Zarach, N. J. (August/1992). Report of the Catalyst Working Group on Curriculum Change. [National Council of Teachers of Mathematics, Reston, VA.]

PRESENTATIONS

International Level

2012 (July) Chappell, M. F., & Thompson, D. R. "*Coaching Teachers to Integrate Culture in Mathematics Instruction through Media*." In the Proceedings for the Twelfth International Congress on Mathematics Education (ICME-12), COEX, Seoul, Korea.

2011 (Oct) Chappell, M.F. *Films: Cultural Media for Exploring Mathematics*. Presented at the Projeto Fundação of the (Federal) University of Rio de Janeiro (People to People Citizen Ambassador Programs, Mathematics Education Delegation). October 1-10, 2011.

- 2010 (Aug) Chappell, M.F., & Thompson, D.R. *Exploring Mathematics in the United States from a Cultural Perspective*. Poster presented at the 5th East Asia Regional Conference on Mathematics Education (EARCOME5), August 18-22, 2010. Tokyo, Japan.
- 2010 (July) Thompson, D. R., & Chappell, M.F. *Films: Cultural Media for Exploring Mathematics*. Poster presented at the 4th International Conference on Ethnomathematics (ICEm-4), July 25-30, 2010. Towson, MD.
- 1996 (July) Chappell, M. F., Thompson, Denisse R., & Austin, Richard A. *Effecting change in middle school mathematics teachers: A case study*. Poster presented at the 8th Meeting of the International Congress on Mathematics Education, Seville, Spain.
- 1996 (July) Austin, Richard A., Thompson, Denisse R., & Chappell, Michael F. *Professional growth characteristics of middle school mathematics teachers: A case study*. Paper presented for the Working Group 19 at the 8th Meeting of the International Congress on Mathematics Education, Seville Spain.
- 1992 (August) Chappell, M. F. *Tools for thinking: Fourth-graders' learning of area measurement*. Poster presented at the 7th Meeting of the International Congress on Mathematics Education, Quebec City, Quebec Canada.

National Level

- 2015 (April) “*STEAM: An innovative approach to promote mathematics* (w Derek Smith). General Session (6-8) presented at the NCTM Annual Meeting & Exposition, Boston, MA.
- 2014 (April) “*Impact of Action Research on High-School Teachers' Professional Development* (w S. Stevens & C. Terry). Paper presented at the NCTM Research Conference, New Orleans, LA.
- 2013 (May) “*Action Research: Professional Development to Advance Learning in STEM Disciplines*” (w R. Vanosdall; K. Butler; & C. Terry). Robert Noyce Teacher Scholarship Program Conference, Washington, D.C.
- 2012(May) *The “Nuts and Bolts” of Implementing a Master Teaching Fellows Project: What We Have Learned In Three Years*” (w/ K. Butler). Robert Noyce Teacher Scholarship Program Conference, Washington, D.C.
- 2011(July) *The “Nuts and Bolts” of Implementing a Master Teaching Fellows Project: What We Have Learned In Two Years*” (w/ K. Butler). Robert Noyce Teacher Scholarship Program Conference, Washington, D.C.
- 2011 (Apr) *Films: Cultural Media for Exploring Mathematics* (w/ D. R. Thompson). Benjamin Banneker Association Presentation, NCTM Annual Meeting & Exposition, Indianapolis, IN.
- 2011(Mar) *The “Nuts and Bolts” of Implementing a Master Teaching Fellows Project: What We Have Learned*” (w/ R. Vanosdall & P. Patterson). Robert Noyce Southeastern Regional Conference, Greenville, SC.

- 2010 (Apr) *Weaving Mathematics and Culture through the Internet* (w/ D. R. Thompson). NCTM Annual Meeting & Exposition, San Diego, CA.
- 2009 (Nov) *Using Media to Merge Culture and Mathematics* (w/ D. R. Thompson). NCTM Southeast Regional Meeting, Nashville, TN.
- 2009 (Apr) *Movies and Culture: Promoting Equity in the Middle Grades Mathematics Classroom* (w/ Thompson). NCTM Annual Meeting in Washington, D.C.
- 2009 (Feb) *Communicating Mathematically: Preparing literate mathematics teachers.* (w/ Enderson, Johnson, & Klerlein). Association of Mathematics Teachers Educators Thirteenth Annual Conference, Orlando, FL.
- 2008 (Apr) *MTMS Editorial Panel Session*, NCTM Research Presession and Annual Meeting, Salt Lake City, Utah, April, 2008.
- 2007 (Nov) *An Agenda for Impact 07- Impact and Implementation Strand.* Lead Facilitator at the Benjamin Banneker Association Leadership Conference, Atlanta, GA.
- 2007 (Oct) *Writing for the NCTM Journals: Discussion and Tips.* Session presented at the NCTM Regional Meeting, Kansas City, MO.
- 2007 (Sept) *MTSU Proposed Doctoral Program in Mathematics and Science Education.* Poster presentation made at the Conference on Doctoral Programs in Mathematics Education (w/ L.D. Miller). Kansas City, MO.
- 2007 (Mar) *Writing for NCTM Journals: Tips and Discussion with Editorial Panel Members* – Session presented at the NCTM Annual Meeting and Exposition, Atlanta, GA.
- 2006 (Jan) (Panel Presenter). *Strengthening the content understanding of teachers through pedagogical explorations.* Presented at the 10th Annual Conference of the Association of Mathematics Teacher Educators (AMTE), Tampa, FL.
- 2004 (Oct) Kimmins, D., and Chappell, M. *Positioning Teachers to Enact Standards-based Instruction.* Presented at the 26th Annual Meeting of North American Chapter of the International Group for the Psychology of mathematics Education (PME-NA), Toronto, Canada.
- 2004 (Jan) (Panel Presenter). *Integrating the thinking of middle grades students into a mathematics methods course.* Presented at the 8th Annual Conference of the Association of Mathematics Teacher Educators (AMTE), San Diego, CA.
- 2003 (Jan) Chappell, M. and Kimmins, D. *Monitoring Teachers' Growth in the F.O.C.U.S. Project: Overview and Insights.* Presented at the 7th Annual Conference of the Association of Mathematics Teacher Educators (AMTE), Atlanta, GA.
- 2002 (Nov.) Chappell, M. *Mathematics, Media, and Multiculturalism.* Presented at the Eastern Regional Meeting of the NCTM, Boston, MA.

- 2001 (April) Kersaint, G., and Chappell, M., *Algebra: Learning from Students*. Presented at the 79th Annual Meeting of the NCTM, Orlando, FL.
- 2001 (April) Thompson, D., and Chappell, M., *Weaving culture through mathematics*. Presented at the 79th Annual Meeting of the NCTM, Orlando, FL.
- 2000 (April) (Discussant of Roundtable Paper) *Discourse, Decisions, and Development of Mathematics and Science Teachers*. Presented at the Annual Meeting of the American Educational Research Association, New Orleans, LA.
- 1995 (April) Chappell, M. F., & Smith, M. S. *African-American students' spatial reasoning and problem solving: Glimpses of learning from a visual mathematics curriculum*. Paper presented at the Symposium, "Examining Equity Issues Embedded Within Mathematics Instructional Reform: Findings from the QUASAR Project," Annual Meeting of the American Education Research Association, San Francisco, CA.
- 1994 (Feb) Chappell, M. F., & Thompson, D. R. *Mathematics instruction and assessment in the middle grades: Bridging the gap*. Paper presented at the Annual meeting of the Research Council for Diagnostic and Prescriptive Mathematics, Fort Worth, TX.
- 1993 (April) Chappell, M. F. *Making mathematics work for African American learners: An interchange between theory and practice*. Paper presented at the Symposium, "Culture, Cognition, and the Jeffersonian Compact: Improving the Mathematical Understanding of African American Children," Annual Meeting of the American Education Research Association, Atlanta, GA.
- 1992 (April) Chappell, M. F. *Applying a cognitive model to classroom learning and instruction*. Paper presented at the Annual Meeting of the American Education Research Association, San Francisco, CA.
- 1992 (March) Chappell, M. F. *Tools for thinking: A case study of fourth graders' learning of area measurement*. Paper presented at the Research Presession of the 70th Annual Meeting of the National Council of Teachers of Mathematics, Nashville, TN.
- 1991 (Dec) Chappell, M. F. *Tools for thinking: A case study of fourth-graders' learning of area measurement*. Paper presented at the meeting of the National Council of Teachers of Mathematics Research Catalyst Conference, Miami, FL.
- 1991 (April) Chappell, M. F., & Flake, J. L. *African-American students' use of visual-imagery in constructing geometric designs*. Paper presented at the Annual Meeting of the American Education Research Association, Chicago, IL.
- 1989 (Nov) Emihovich, C., & Chappell, M. *What the teacher told us: Children's reframing of teacher discourse*. Paper presented at the Annual Meeting of the American Anthropological Association, Washington, DC.

- 1989 (Sept) Jakubowski, E. H., & Chappell, M. *Preservice elementary teachers' mathematical beliefs*. Paper presented at the Eleventh Annual Meeting of the Psychology of Mathematics Education--North American Chapter, New Brunswick, NJ.

State/Regional/District

- 2013 (Oct) *How Graduate Education Creates Pathways to Post-Doctoral Positions, Tenure-Track Appointments, Tenure, and Promotion*. Panel Presentation at the 29th Annual McKnight's Fellows Meeting and 17th Annual Graduate School Conference, Florida Education Fund, Tampa, FL.
- 2013 (Oct) Roundtable Panel Discussant on *Completing PhD programs, Developing research/publication skills, and Securing employment*. Panel Presentation at the 29th Annual McKnight's Fellows Meeting and 17th Annual Graduate School Conference, Florida Education Fund, Tampa, FL.
- 2013 (Feb) *Implementing a Master Teaching Fellows Project: What We Have Learned In Four Years* (w/ K. Butler). Mathematics and Science Education PhD Seminar Presentation. MTSU, Murfreesboro, TN.
- 2009 (Oct) *Linking Math, Culture, and Popular Media...Right?* Middle school future presentation at the 50th Annual meeting of the Georgia Council of Teachers of Mathematics, Eatonton, GA.
- 2009 (Aug) *Linking Math, Culture, and Popular Media*. Presentation to math teachers, administrators, and parents. Atlanta Youth Academy, Atlanta, GA.
- 2008 (Feb) From concept to content: Generating the *Weaving Culture and Mathematics through Media* (WCM) Book Project. Session presented at the TMSTEC Mathematics and Science Education Research Conference, Murfreesboro, TN.
- 2007 (Nov) *Using National Assessment of Educational Progress (NAEP) Data to Enhance Assessment and Inform Instruction*. Special Session for the 2007 Fall Southeast Section Meeting of the American Mathematical Society, MTSU, Murfreesboro, TN (Organizer & Presenter).
- 2007 (Nov) *An Agenda for Impact: Impact and Implementation Strand*. Lead Facilitator at the Benjamin Banneker Association Leadership Conference, Atlanta, GA.
- 2007 (Oct) *Writing for the NCTM Journals: Discussion and Tips*. Session presented at the NCTM Regional Meeting, Kansas City, MO.
- 2007 (May) Geometry tasks and projects in preservice K-8 mathematics courses – Presented at the annual Math 1410/1420 Conference, Murfreesboro, TN.
- 2006 (Nov) *Data for Assessment and Teaching Strategies* – Workshop provided for MSPc2 grant teachers on the use of NAEP data in exploring classroom assessment in mathematics, Murfreesboro, TN.

- 2005 (Feb) Chappell, M. *Transition across grades*. Presented at the Considering New Curricula Conference of the Tennessee Mathematics, Science, and Technology Education Center (TMSTEC) and the Education Development Center (EDC), Inc. Nashville, TN.
- 2002 (Oct) Chappell, M. *EYH Talk Live!* Presented at the 6th Annual Expanding Your Horizons' Conference. Murfreesboro, TN.
- 2001 (Oct) Chappell, M., *Analyzing Mathematics Tasks: Clues to Covering the Curriculum*. Presented at the Annual Meeting of the Florida Council of Teachers of Mathematics, Orlando, FL.
- 2001 (Oct) Kersaint, G., and Chappell, M., *Algebra: Learning from Students*. Presented at the Annual Meeting of the Florida Council of Teachers of Mathematics, Orlando, FL.
- 2000 (June) *The MDF [McKnight Doctoral Fellow] Experience*. Presentation conducted at the 2000 Orientation Conference for the Florida Education Fund. Tampa, FL.
- 1999 (June) *The MDF [McKnight Doctoral Fellow] Experience*. Presentation conducted at the 1999 Orientation Conference for the Florida Education Fund. Tampa, FL.
- 1998 (March) *Seeking Balance in the Equation: A candid discussion with females about preparing for careers in mathematics and/or the sciences*. Talk presented at the 4th American Association of University Women's Annual Conference for middle school girls. Largo, FL.
- 1997 (Oct) Chappell, M., & Thompson, D. *Using media to foster multicultural connections in mathematics*. Presented at the Annual Meeting of the Florida Council of Teachers of Mathematics, Ft. Lauderdale, FL.
- 1995 (Feb) *Enhancing the Mathematical Performance of African-American Learners*. Research (K-12) Session presented at the Southern Regional Conference of the National Council of Teachers of Mathematics, Birmingham, AL.
- 1992 (Dec) *African-Americans in mathematics: A salute to Benjamin Banneker*. Annual Meeting of the West Coast Region of the Mathematical Association of America, Tampa, FL.
- 1988 (Dec) *Art evolving from mathematical patterns*. Regional Meeting of the Mathematics Association of America, Tallahassee, FL.
- 1987 *Survival Skills: Developing strategies to make it through graduate school*. Conference on Graduate Opportunities for Minority Students, Tallahassee, FL.

Departmental/College/University

- 2007 (Feb) *Learning from NAEP: Implications for Teaching, Learning, and Assessing Mathematics in College Classrooms* – Department of Mathematical Sciences Research Colloquium Series, Murfreesboro, TN.

- 2004 (Feb) Chappell, M. *The McNair Experience*. Presented at the McNair Scholars, Middle Tennessee State University, Murfreesboro, TN.
- 2001 (Nov) Chappell, M.F., *What does middle-grades curriculum projects research say about student outcomes?* Presented during the Fall Colloquium Series of the MTSU Department of Mathematical Sciences.

Workshop Presentations (via Submitted Proposals)

National Level

- 2007 (Oct) *Mining NAEP Data to Improve Classroom Assessment Practices*. Workshop presented at the NCTM Regional Meeting, Kansas City, MO.
- 1994 (April) *Geoboards Extravaganza!* Workshop presented at the Annual Meeting of the National Council of Teachers of Mathematics, Indianapolis, IN.

Regional/State/District Level

- 1995 (Oct) *Developing Algebraic Reasoning with Algebra Tiles*. Extended Session presented at the Southern Regional Conference of the National Council of Teachers of Mathematics, Knoxville, TN.
- 1994 (Oct) *Power-Packed Pentominos: Enhancing Students' Problem Solving in Geometry*. Extended Session presented at the Western Regional Conference of the National Council of Teachers of Mathematics, Phoenix, AZ.
- 1994 (Nov) *Power-Packed Pentominos: Developing Students' Spatial-sense Skills in Geometry*. Extended Session presented at the Annual Teacher-To-Teacher Conference of the Pinellas Council of Teachers of Mathematics, Largo, FL.
- 1993 (Oct) *Developing Students' Mathematics Power with Pentominos!!!* Workshop presented at the Annual Meeting of the Florida Council of Teachers of Mathematics, Jacksonville, FL.

Workshop Presentations (via Invitation)

State/District Level

Numerous professional development workshops on varied topics have been conducted for state-funded grants/projects.

- 2009 (Aug) Chappell, M. F. *Linking Math, Culture, and Popular Media*. Presentation to math teachers, administrators, and parents. Atlanta Youth Academy, Atlanta, GA.
- 2002 (Feb) *Overview of the PSSM Standards*. Presented as part of an Eisenhower Workshop for elementary school teachers. Motlow Community College, Tullahoma, TN.
- 2001(Decr) *Teaching Mathematics* Workshop for St. Rose Academy Math Teachers, Murfreesboro, TN.
- 2001(Oct) *The Algebra@ Standard*. Workshop presented for the FOCUS Grant for Upper Cumberland Mathematics Teachers, Celina, TN.
- 2001 (Sept) *The Measurement@ Standard* Workshop presented for the FOCUS Grant for Upper Cumberland Mathematics Teachers, Celina, TN.

- 1997 (July) *Algebra Tiles Workshop/Hillsborough County Schools [HCS] Middle School Workshop.*
- 1997 (July) *Exploring Mathematics with the TI-80 Graphing Calculator/HCS Workshop (w/ D. Thompson).*
- 1996 (June) *Algebra Tiles Workshop/Florida State Systemic Initiative [SSI] Workshop*
- 1996 (June) *Exploring Mathematics with the TI-80 Graphing Calculator/SSI Workshop (w/ D. Thompson).*
- 1996 (June) *Exploring Mathematics with the TI-12 Math Explorer/Hillsborough County Schools [HCS] Middle School Workshop.*
- 1995 (July) *Exploring Mathematics with the TI-12 Math Explorer/HCS Middle School Workshop*
- 1995 (July) *Algebra Tiles Workshop/HCS Middle School Workshop.*
- 1995 (Feb) *Algebra I Honors/Algebra Tiles Workshop/HCS Middle School Professional Study Day Workshop.*
- 1994 (Aug) *Algebra Tiles Workshop/HCS Middle School Workshop.*
- 1993 (Jan) *Geoboards Workshop/HCS Middle School Workshop.*

GRANTS/CONTRACTS

- 2009 – 2015 Title: *NSF-MTSU Master Teaching Fellows Project*
Investigators: Richard Vanosdall (PI), Kyle Butler (co-PI), Michael Chappell (co-PI), & Terry Goodin (co-PI);
Agency: NSF Robert Noyce Grant
Purpose: Develop Master Teaching Fellows into School Leaders & Mentors
Amount Funded: \$2,300,000
- 2008 (Fall) Title: *Non-Instructional Assignment Grant (Sabbatical)*
Investigator: Michael Chappell
Agency: MTSU/Academic Affairs
Purpose: One-semester sabbatical
- 2006 (Fall) Title: *Faculty Development Proposal*
Investigator: Michael Chappell
Agency: MTSU/Desegregation Funding: Institutional Equity and Compliance
Purpose: Complete revision of book proposal for Heinemann Publishers
Amount Funded: \$2100
- 2003 (Spring) Title: *Learning Mathematics, Building Character: A Book Proposal*
Investigators: Michael Chappell
Agency: MTSU/Faculty Research and Creative Activity Committee
Purpose: Develop a Book Proposal
Amount Funded: \$1800
- 2002 (Spring) Title: *Using Standards-based Curricula to Enhance Mathematics Instruction*
Investigators: Mary Enderson & Michael Chappell
Agency: MTSU/Instructional Evaluation and Development Committee
Purpose: Purchase complete teacher and student sets of NSF standards-based curriculum materials at the middle and secondary levels
Amount Funded: \$6630

- 2002 (Spring) Title: *Resource for Weaving Culture & Mathematics in Classrooms: A Book Proposal*
Investigator: Michael Chappell
Agency: MTSU/Faculty Research and Creative Activity Committee
Purpose: Develop a book proposal
Amount Funded: \$2550
- 1998 - 1999 Title: *Mathematics Teaching Of At-Risk Youth [MaTARY]*
Investigators: Gladis Kersaint & Michael Chappell
Agency: USF Institute on Black Life
Purpose: Research grant to work with teachers at the USF At-Risk Charter School
Amount Funded: \$3000
- 1996 (Sum) Title: *WRITINGS on AFRICAN AMERICAN STUDENTS' ACHIEVEMENTS in MATHEMATICS*
Investigator: Michael Chappell
Agency: Division of Sponsored Research
Purpose: Research and Creative Scholarship Grant designed for the Investigator to generate and submit manuscripts related to this area.
Amount Funded: \$6000
- 1991 – 1992 Title: *FACULTY INTERNATIONAL TRAVEL*
Investigator: Michael Chappell
Agency: Division of Sponsored Research
Purpose: Travel grant obtained to support the Investigator=s travel to the 7th Meeting of the International Congress on Mathematics Education [ICME-7] to make Short Presentation at Quebec, Canada
Amount Funded: \$1000
- 1991 (Fall) Title: *MATHEMATICS MANIPULATIVES for TEACHER ENHANCEMENT*
Co-Investigators: Michael Chappell & Denisse Thompson
Agency: Center for Excellence in Mathematics, Science, Computers & Technology
Purpose: Training Grant designed to support the purchase of various mathematics manipulatives used by mathematics education faculty in their courses
Amount Funded: \$2826

Other Grant Proposals Generated and Submitted

National Level

- 2013 (Jan) Title: *Generating STEAM: Multimedia Programming for Learning STEM through the Arts*
Investigators: Public Broadcasting of Atlanta (PI), Michael Chappell (co-PI), & Donata Renfrow (co-PI)
Agency: NSF: Advancing Informal Science Learning (AISL)
Amount Requested: \$1,400,000

- 2004 (June) Title: *NSF GK-12: Mathematics Teaching Fellows Project at MTSU*
Investigators: Ginger Holmes Rowell & Michael Chappell
Agency: National Science Foundation
Purpose: Service/Research Grant
Amount: \$ 1,500,000
- 1999 (Aug) Title: *Mathematics, Culture, and Media: Centering on African American Heritage*
Investigators: Michael Chappell & Denisse Thompson
Agency: National Science Foundation
Purpose: Research Grant
Amount: \$ 997,079
- 1995 (Dec) Title: *African American Learners' Life Stories In Mathematics*
Investigator: Michael Chappell
Agency: US Department of Education/OERI (through the USF David Anchin Center)
Purpose: Research Grant
Amount: \$160,000
- 1993 (Sum) Title: *Connecting Instruction and Assessment in the Middle Grades Mathematics Classroom*
Co-Investigators: Denisse Thompson & Michael Chappell
Agency: National Science Foundation
Purpose: Research SGER Grant Preliminary Proposal
Amount: \$39,235
- 1992 (Spring) Title: *Program for a Masters in Mathematics Education for Teachers of Middle Grades*
Co-Investigators: Denisse Thompson & Michael Chappell
Associate Investigators: Richard Austin & Betty Lichtenberg
Purpose: Research Teacher Preparation and Enhancement Grant
Agency: National Science Foundation
Amount: \$1,400,000

COURSES/TEACHING EXPERIENCES at USF and MTSU

Advanced/Graduate Courses (PhD = doctorate; MS = masters)

Teaching and Learning Mathematics and Science Education (PhD)
 Special Topics in Mathematics and Science Education (PhD)
 Directed Research in Mathematics and Science Education: Writing & Publishing (PhD)
 Research Issues in Mathematics Education (PhD/MS)
 Current Trends in Secondary School Mathematics (MS/PhD)
 Preparing Teachers of Mathematics: K-12 (PhD)
 Topics for Teaching Geometry (MS)
 Geometry for Teachers (MS)
 Teaching Pre-Secondary Mathematics (MS)
 Problem Solving for Teachers (MS)
 Technology Tools for School Mathematics (MS)
 Mathematics for Teachers (MS)

Undergraduate Courses

Teaching Elementary Mathematics I
Teaching Elementary Mathematics II
Teaching Senior High School Mathematics
Teaching Mathematics in the Middle Grades
Senior Seminar in Mathematics Education (2 ch)
Concepts/Structures of Elementary Mathematics
Informal Geometry
Discrete Mathematics for Middle Grades Teachers
Student Teaching Internship

DOCTORAL STUDENT COMMITTEES

2015 – current Derek Smith (Mathematics & Science Education/MTSU), *Chair*
2015 – current Candace Terry (Mathematics & Science Education/MTSU), *Co-Chair*
2015 – current Aleksandra Veselovsky (Curriculum Studies-Math Education/UIC), *Member*
2015 – current Jessica Brown (Mathematics & Science Education/MTSU), *Member*
2014 – current Brittany Smith Baum (Mathematics & Science Education/MTSU), *Member*
2014 – current Brandon Hanson (Mathematics & Science Education/MTSU), *Member*
2012 – 2015 Stephen Blessing (Mathematics & Science Education/MTSU), *Chair*
2012 – 2013 Joel Rowlett (Mathematics & Science Education/MTSU), *Member*
1999 – 2004 Pamela Moses Snipes (Mathematics Education/USF), *Assistant Chair*
1997 – 2002 Lorie S. Holden (Mathematics Education/USF), *Member*
1994 – 2001 James Condor (Mathematics Education), *Assistant Chair*
1999 – 2000 Janet Marderness (Mathematics Education), *Member*
1994 – 1998 Dennis C. Runde (Mathematics Education), *Assistant Chair*
1993 – 1998 Maggie Cran (Educational Leadership), *Member*
1993 – 1998 Liana F. Fox (Mathematics Education), *Member*
1993 – 1996 Lynette Fields (Educational Leadership), *Member*
1993 – 1995 Kathy Cousins (Mathematics Education), *Member*
1992 – 1996 Thomas Collins (Mathematics Education), *Assistant Chair*
1991 – 1996 Michael Mears (Interdisciplinary Education), *Member*
1991 – 1995 Alphonso Smith (Mathematics Education), *Member*
1991 – 1993 Linda Greico (Mathematics Education), *Member*

PROFESSIONAL ORGANIZATIONS

Current & Former Memberships

American Education Research Association [AERA]
Association of Mathematics Teacher Educators [AMTE]
Benjamin Banneker Association, Inc. [BBA]
Middle Tennessee Mathematics Teachers Association [MT²]
National Council of Teachers of Mathematics [NCTM]
Psychology of Mathematics Education - North American Chapter [PME-NA]
Research Focus on Black Education [SIG-RFBE]
Research on Mathematics Education [SIG-RME]
Tennessee Mathematics Teacher Association [TMTA]

PROFESSIONAL SERVICE (To Profession)

Offices –National Level

- 2007 – 2009 AMTE Board Member, NCTM Affiliate Liaison
1994 – 1998 Benjamin Banneker Association (BBA), Inc./*Secretary/Board Member/Membership Chair*
1994 – 1997 Association of Mathematics Teacher Educators (AMTE)/*Secretary/Board Member*

Offices - State Level

- 2011 – 2015 YEAH [Youth Empowered through the Arts and Humanities] in Murfreesboro, TN/*Board Member*
2006 – 2008 TAMTE [Tennessee Association of Mathematics Teacher Educators], *Board Member, At-Large*
1996 – 2005 Florida Education Fund's Board of Directors, *Member*

Other Contributions to the Profession

- 2010 – current NCTM/ *Mathematics Teaching in the Middle School Journal/ Reviewer*
2009 (Spring) NSF/Division of Research DK-12 Program/*Reviewer*
2006 – 2007 AMTE/Nominations and Elections Committee/*Member*
2006 – 2007 ProQuest Publishing/*Advisory Board Member*
2005 – 2008 NCTM/ *Mathematics Teaching in the Middle School Journal/ Editorial Panel*
2003 – 2005 AMTE Monograph Editorial Panel/*Member*
2002 – 2004 *MathThematics* Middle School Curriculum / *Advisory Panel Member*
2001 – 2003 MTSU - FOCUS Eisenhower Grant, *Curriculum Coordinator*
2001 – 2003 NCTM/Duke-Energy 'Reflections' Project/*Collaborator*
2001 – 2002 AMTE/Nominations and Elections Committee/*Member*
1999 – 2001 AERA/Teaching, Learning, and Human Development Section of the AERJ/*Edit. Board Member*
1999 –2000 AERA/Division K: Teaching, Teacher Education, and Teacher Learning/Section 1a/*Chair*
2000 (Spring) NSF/Division of Human Resource Development Program for Gender Equity in SMET/*Reviewer*
2000 – 2003 Journal of Teacher Education/*Journal Reviewer*
1998 – 1999 NCTM/Take Time for Action, Department of the *Mathematics Teaching in the Middle School Journal / Editor*
1997 – 1999 NCTM/ 77th Conference Program Committee/ *Member*
1997 (Sum) NCTM/ Marketing Research Advisory Committee/*Member*
1997 (Spring) NSF / Instructional Materials Division/*Reviewer*
1996 (Sum) AERA Division C/*Proposal Reviewer*
1996 (Sum) BBA Leadership Conference Proposal submitted to the National Science Foundation [NSF]/*Team Writer*
1996 – 1998 NCTM Tampa Regional Conference Planning Committee/*Member*
1995 – 1998 NCTM/*Editorial Panel Member/1999 Yearbook*
1995 – 1996 National Science Foundation [NSF], North Carolina State Systemic Initiative, & East Carolina State University's Middle Math Project/*USF Participant*
1995 – 1998 NCTM/ Research Advisory Committee [RAC]/*Member*
1994 (Dec) NSF/ Teacher Enhancement Division/*Proposal Reviewer*
1994 (June) NSF/ Teacher Enhancement Division/*Proposal Reviewer*

- 1993 – 1994 Prentice Hall Publishers/*Textbook Reviewer*
 1993 (Sum) QUASAR Project (Ford Foundation & The University of Pittsburgh's Learning and Research Development Center)/ *Research Consultant*
 1992 – 2006 NCTM/ Journal for Research in Mathematics Education/ *Journal Reviewer*
 1992 (Sum) QUASAR Project (Ford Foundation & The University of Pittsburgh's Learning and Research Development Center)/ *Research Consultant*
 1992 – 1993 U.S. Department of Education, Office of Educational Research and Improvement [OERI]/*Field Reader*
 1991 – 1992 NCTM and NSF's Research Catalyst Conference [RCC]/*Focus Group Member* (Curriculum Change)

Other National Service Activity

- 2000 (April) AERA's Annual Meeting in New Orleans, LA/*Chair of Symposium*
 1996 (April) NCTM's Annual Meeting in San Diego, CA/*Presider*
 1995 (April) NCTM's Annual Meeting in Boston, MA/*Presider*
 1993 (April) NCTM's Annual Meeting in Seattle, WA/*Presider*
 1992 (April) NCTM's Annual Meeting in Nashville, TN/*Presider*
 1991 (June) Black Issues in Higher Education Magazine/*Guest Interviewee*, Title: A Minority Researchers Ferret Out Solutions to Improve Communities and Influence Policy.
 1991 (May) Education Week Magazine/*Guest Interviewee*, Title: A Researcher Studies Visual Imagery in Blacks' Math Learning.

Note: *From 1991 to the present, I have served on more than 100 university, college, and/or departmental committees.*

HONORS and AWARDS:

- 2016 MTSU Fifteen-Year Service Award
 2015 MTSU John Pleas Faculty Award
 2011 MTSU Ten-Year Service Award
 2009 (Jan) Finer Woman of Rutherford County *Honoree* /Zeta Phi Beta Sorority
 2005 MTSU Five-Year Service Award
 2004 Granted Tenure at Middle Tennessee State University
 2001 Promoted to Full Professor, Middle Tennessee State University
 2001 USF Ten-Year Service Award
 1999-2000 USF Sabbatical Leave
 1997 Outstanding Undergraduate Teacher Award Recipient
 1997 Granted Tenure and Promoted to Associate Professor
 1999 - 2005 Appointed by the Florida Senate, Senator Toni Jennings, to the Florida Education Fund Board of Directors
 1996 - 1998 Appointed by the Speaker of the Florida House of Representatives, Peter R. Wallace, to the Florida Education Fund Board of Directors
 1995 - 1996 Florida Education Fund's McKnight Junior Faculty Fellowship Award
 1995 USF Five-Year Service Award
 1993 - 1994 USF McNair Scholars Program Research Mentor Award
 1994 - 1995 USF McNair Scholars Program Role-Model Mentor Award/ Also: 1992 - 1993
 1986 Outstanding Young Woman of America, 1986

[References are available upon requests.]