

CURRICULUM VITA

MARGARITA BORELLI CUMMINGS

PERSONAL DATA

25 High Country Road, Herriman UT, 84096; Phone (801)-573-2811
margaritacummings@gmail.com

EDUCATION

2010: Ph.D. Educational Leadership and Policy, *Conceptualizing Secondary Mathematics Teacher Preparation*, University of Utah, Salt Lake City
2005: Administrative Certification; University of Utah, Salt Lake City, Utah
1997: M.S. Mathematics (Education); University of Utah, Salt Lake City, Utah
1992: B.S., Communications; University of Utah, Salt Lake City, Utah

EMPLOYMENT

2011-Present: University of Utah; Urban Institute of Teacher Education; SLC, UT
2007-2011: Mathematics and Science Education Curriculum Consultant; Jordan School District; West Jordan Utah
2005-2007: Assistant Principal, Midvale Middle School, Midvale, Utah
1994-2005: Teacher/Mathematics Department Chair, Jordan High School, Sandy, Utah
1992-1994: Teacher, Eastmont Middle School, Sandy, Utah

DEVELOPMENT AND FACILITATION OF PROFESSIONAL DEVELOPMENT FOR IN-SERVICE EDUCATORS

2012-Present: Teaching and Learning the UCC Mathematics to all students
2012-Present: Teaching and Learning the UCC to students that struggle in Mathematics
2011-Present: Strategies for working with adult learners that struggle in mathematics for teachers at South Park Academy
2011 Arts and Mathematics Integration for Elementary School Teachers
2011-2012: Common Core State Standard Mathematics (Training for 6th Grade Math through Secondary 1 regular and special education teachers on teaching the Content and Practice Standards of CCSSM)
2007-2011: Mathematics Content and Pedagogy Training (Grade-band/content course based training for K-12 regular and special education teachers on content standards and instructional strategies)
2007-2011: Mathematics Content and Pedagogy Facilitator Training (Training facilitators to work with small groups of teachers)
2009-2011: Professional Learning Communities and Improving Student Achievement in Mathematics (K-12 school based training on PLCs, the use of common assessments to monitor student progress in mathematics, and tiered intervention strategies for teachers of *all* students)
2007-Present: Mathematics Content and Pedagogy for Special Education Teachers (progress monitoring, concrete and pictorial models, explicit instruction techniques, classroom discussion techniques, curriculum selection and implementation, and content training specific to special education teachers)

- 2007-2009: Elementary Mathematics Endorsement Courses (Teaching all courses needed for an Elementary Mathematics Endorsement to teachers in several districts)
- 2007-2009: Mathematics Instructional Leadership Training (Instructional leadership training for principals in mathematics focused on the content of the Utah state core curriculum, use of formative assessments, data collection and progress monitoring, tiered instruction, and working with teachers on mathematics instruction)
- 2007-2009: Mathematics Across the Contents (Helping middle school teachers recognize and teach the mathematics in their curriculum)
- 2007-Present: Using Manipulatives and Models to Facilitate Understanding in Mathematics (Training elementary through middle school teachers on connecting mathematical models to algorithms)
- 2007-2008: Utah State Core Curriculum K-12 (Training new and experienced teachers on the new 2007 Utah State Core Curriculum, selecting appropriate instructional materials, curriculum mapping, and identifying “holes” as students are transitioned from one core to the other)
- 2007-Present: New Teacher Induction (Training new teachers on their grade level/content specific core curriculum)

UTAH STATE OFFICE OF EDUCATION MATHEMATICS COMMITTEES

- 2010-2011: Utah Mathematics Advisory Committee (Develop a suggested plan for implementation of Common Core State Standards in Utah that was presented to the Utah State Board of Education)
- 2009-2011: Utah Mathematics Steering Committee Task Force (Develop goals for K-16 math education in Utah that was presented and adopted by the Utah State Board of Education)
- 2007-Present: Secondary Mathematics Endorsement (Revising requirements for the secondary mathematics endorsement)
- 2008-Present: Advanced Applied Foundational Courses Committee (Writer and reviewer of new AAF courses for the state of Utah)
- 2009-2010: Elementary Mathematics Endorsement Revision Committee (Revised the Elementary Mathematics Endorsement coursework requirements and outlines for the state of Utah)
- 1998-2005: CRT Mathematics Bookmarking Committee (Bookmarking for 2003 and 2007 Utah State Core Mathematics Curricula)
- 1998-2005: CRT Mathematics Item Writing Committee (Item writing for Algebra, Geometry and UBSCT Mathematics assessments)

GRANTS/FUNDED Projects (Written and Awarded as *Principal Investigator/Project Director*)

- 2012: Utah State Office of Education; Numeracy Project; \$500,000 total, approximately \$65,000 to the U.
- 2011: Utah Science Technology Research (USTAR) Center Initiatives 2011-2014 (Utah State Office of Education); Increasing access to STEM classes for students, increasing teacher pay, and reducing class size; \$1,596,564 (over 3 years)

- 2011: Utah State Office of Education; Improving outcomes for students receiving special Education services in math; \$14,000
- 2008: Utah Science Technology Research (USTAR) Center Initiatives 2008-2011 (Utah State Office of Education); Increasing access to STEM classes for students, increasing teacher pay, and reducing class size; \$1,432,123 (over 3 years)
- 2008: Intel: Impacting 9th Grade Algebra; \$50,000
- 2007: Intel: Impacting Secondary Math and Science: Content Specific Professional Development on the use of Technology in Instruction; \$50,000
- 2007: Intel: Equipment for Math and Science Classrooms; \$50,000
- 2007-2009: Intel: Impacting Achievement of Students with Disabilities; Content and Pedagogy Professional Development in Math for Special Educators \$30,000 (over two years)

GRANTS (Participated)

- 2012: MMAISE, Funded through the Utah Legislature SB 217, approximately \$400,000
- 2012: Math for America, Utah. Funded through the Utah Legislature \$500,000 per year over five years.
- 2011: Evaluation and Development of Pedagogical Content Knowledge of Secondary Mathematics Teachers; \$450,000 (not awarded)
- 2009: National Science Foundation; Support and Mentoring in an Alternative Route to Teaching (SMART); \$1,499,900
- 2009-2010: Collaborative Program Leading to a master of Science for Secondary Mathematics Teachers; Mathematics and Science Partnership Grant (Utah State Office of Education); (\$118,180)
- 2006-2009: 4-6 Math Improvement Grant (Utah State Office of Education); \$2,531,860
- 2006-2007: Impacting Student Achievement in Mathematics and Science; Intel; \$44,400

RECENT (SINCE 2010) CONFERENCE PAPERS/PRESENTATIONS

- 2013: SERA, Increasing General and Special Education Middle School Math Teachers' Mathematical Knowledge for Teaching, Proposal Accepted
- 2013: LDA, Strategies for Working with Middle School Students that Struggle in Mathematics, Invited Speaker
- 2013: AERA, Relationship Between Teacher Knowledge, Preparation and Licensure; A Study of Novice Mathematics Teachers, Proposal Accepted
- 2012: Utah Association of Adult, Community and Continuing Education; Working with Adult Learners that Struggle in Mathematics, Invited Speaker
- 2011: Utah Association of Adult, Community and Continuing Education; Using Models with Adult Learners, Invited Speaker
- 2010: Collaborative Partnerships: Why are they important? National Science Foundation Noyce Conference, Washington D.C.
- 2010: The Relationship between Teacher Knowledge, Preparation, and Licensure in Utah: A Paper presented at the Utah Council of Teachers of Mathematics
- 2011: Mathematical Knowledge for Teaching Secondary Mathematics; U.S. Department of Education Math and Science Partnership Meeting, San Francisco, CA