

Ayanna D. Perry
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Education

North Carolina State University, Raleigh, NC

PhD. Mathematics Education, December 2013

Committee Chair: Dr. Hollylynn Lee

Dissertation: Equitable spaces in early career high school mathematics classrooms

North Carolina Central University, Durham, NC

M.S. Mathematics, August 2007

Committee Chair: Dr. Fredrick Johnson

Thesis: Using a Markov Chain to map the flow of students through the mathematics and computer science departments at North Carolina Central University

Shaw University, Raleigh, NC

B.S. Mathematics, May 2005

Magna Cum Laude

Work Experience

Mathematics Teacher Developer, Knowles Science Teaching Foundation, Moorestown, NJ

10/13- present

Mentor and support beginning mathematics and science teachers through a five-year professional development program. Duties include: planning and implementing professional development, participating in regular meetings to support teachers' individual inquiry work, and supporting teachers in taking advantage of grants for professional development, materials, and leadership.

University Supervisor, North Carolina State University, Raleigh, NC

08/11-12/13

Supervise student teachers in the field experience component of degree completion. Duties include: coordinating cooperating teachers, conducting pre-and post-conferences, conducting teaching observations of the student teachers, mentoring and advising student teachers, and evaluating capstone project.

Research Assistant, North Carolina State University, Raleigh, NC

05/11 –12/13, 20 hrs/week

Program manager for the Noyce Mathematics Education Teaching Scholars program at NC State, NSF Grant No. DUE 0733794 and DUE 1240003. Responsible for handling the administrative aspects of the program. Duties include the following: advising and supervision of preservice scholars, maintenance of electronic media, recruitment, programmatic components, leading professional development sessions for scholars, establishing rapport with local high-needs schools, data collection, conducting non-evaluative classroom observations of inservice teachers, and compiling reports.

Teaching Assistant, North Carolina State University, Raleigh, NC

Spring 2013

Co-taught Teaching Mathematics in Senior High School (EMS-472). Developed and delivered lessons designed to further preservice teachers' understanding of school mathematics and how to teach it so others can understand it. The course content was tied closely to the content of the high school mathematics curriculum (algebra, geometry, calculus, statistics). Shared the responsibilities of the development and evaluation of assessments for this course with the professor.

Research Assistant, North Carolina State University, Raleigh, NC

08/09 – 05-11, 20 hrs/week

Research Assistant for the Diagnostic E-Learning Trajectories Approach (DELTA) applied to Rational Number Reasoning for Grades 3-8 project at NC State, NSF DRK-12 Grant No. 0531120. Duties included: analyzing assessment data, researching and developing assessment items, reviewing, summarizing, and reporting research literature, contributing to the design and upkeep of electronic media, learning to use technology (software and hardware) as the project required, developing and reviewing conference presentations, and assisting in preparation for and conduct of conferences, and meetings.

Educational Services Center, Raleigh, NC

Fall 2009- Fall 2013

Teach Mathematics SAT classes. Modify and deliver lessons designed to engage students with Algebra I, Geometry, and Algebra II concepts. Manage mixed ability classrooms of sophomore, junior and senior students. Assist students with applying testing strategies. Assign and review homework assignments.

Scotland County Schools, School on Business, Finance and Marketing, Laurinburg, NC

Fall 2007-Spring 2009

Taught Algebra II, Technical Math II, Geometry, and Advanced Functions and Modeling. Developed and delivered lessons designed to engage students with mathematical concepts. Managed mixed ability classrooms of sophomore, junior and senior students. Evaluated students' understanding and adjusted instruction to support all student learners.

Presentations

Perry, A. (April, 2014). Beginning secondary teachers' use of tasks. Session presented at the *Annual Conference of the National Council of Mathematics Teachers Research Conference*, New Orleans, LA.

Perry (Franklin), A. (February, 2014). Equitable spaces in early career teachers' mathematics classrooms. Session presented at the *Association of Mathematics Teacher Educators*, Irvine, CA.

Thrasher, E., Perry (Franklin), A., Hollebrands, K., & Lee, H. (February, 2014). Supporting and retaining beginning mathematics teachers. Using iPads to enhance the mathematics classroom Session presented at the *Association of Mathematics Teacher Educators*, Irvine, CA.

Thrasher, E., Perry, A., Byerly, S., Cetner, M., Hollebrands, K., Loeffler, M., Patterson, D., Van Reenen, C. (November, 2013). Functions and statistics in the real world. Workshop presented at the annual conference of the North Carolina Council of Teachers of Mathematics, Greensboro, NC.

Perry (Franklin), A., & Thrasher, E. (April, 2013). Using iPads to enhance the mathematics classroom. Session presented at the *Annual Conference of the National Council of Mathematics Teachers*, Denver, CO.

- Thrasher, E., & Perry (Franklin), A. (April, 2013). Supporting beginning teachers through online social communities. Session presented at the *Annual Conference of the National Council of Mathematics Teachers*, Denver, CO.
- Perry, A. (May, 2013). Equitable spaces in early career teachers' mathematics classrooms: Cases of instruction. Poster presented at the *Annual Graduate Student Symposium for the Science, Technology, Engineering, and Mathematics Education Department*, North Carolina State University, Raleigh, NC.
- Thrasher, E., Perry (Franklin), A., Lee, H., Hollebrands, K., Hall, W., Early, M., & Swandby, A. (October, 2012). Using iPads to enhance the mathematics classroom. Session presented at the *Annual Conference of the North Carolina Council of Teachers of Mathematics*, Greensboro, NC.
- Franklin, A. (May, 2012). Investigations of Noyce scholars' classroom practices. Poster presented at the *Annual Graduate Student Symposium for the Science, Technology, Engineering, and Mathematics Education Department*, North Carolina State University, Raleigh, NC.
- Monrose, N., Franklin, A., & Lee, H. S. (March, 2012). An analysis of student justifications and probability concepts and implications for instruction using technology. Session presented at the *2012 MAA Southwestern Region Conference*, Tucson, AZ.
- Franklin, A., Monrose, N., & Lee, H. S. (October, 2011). An analysis of students' understanding of sample size and variation. Session presented at the *Tenth Annual NC Opt-Ed Alliance Day Conference*, Raleigh, NC.
- Lee, H., Brannan, T., Childs, K., Clay, L., Franklin, A., Jordan, L., Limer, C., Pawelka, E., Searfoss, A., Thrasher, E., & Washington, H. (October, 2011). Teacher led inquiry into fostering reasoning and motivation. Session presented at the *Annual Conference of the North Carolina Council of Teachers of Mathematics*, Greensboro, NC.
- Rice, J., Mann, L., & Franklin, A. (July, 2011). Activities that promote motivation, reasoning and sense-making in high school mathematics classrooms. Session presented at the *Sixth Annual Conference of the National Science Foundation Robert Noyce Teacher scholarship Program*, Washington, DC.
- Lee, H., Franklin, A., & Thrasher, E. (July, 2011). Providing opportunities for teachers to take a scholarly lens toward designing and implementing research-based tasks. Session presented at the *Sixth Annual Conference of the National Science Foundation Robert Noyce Teacher Scholarship Program*. Washington, DC.
- Confrey, J., Nguyen, K., Maloney, A., Franklin, A., Monrose, N., & Yilmaz, Z. (November, 2010). Constructing a LT for Length and Area. Session presented at the *2010 Advisory board meeting for DELTA Research DRK-12 Grant # 0531120*. Raleigh, NC.
- Franklin, A., Yilmaz, Z., & Confrey, J. (October, 2010). Reconciling student thinking and theory: The Delta learning trajectory and the case of transitivity. Poster presented at the *32nd Annual Conference of North American Chapter of the International Group for the Psychology of Mathematics Education*, Columbus, OH.

Scholarly Writing

- Perry, A. D., & Thrasher, E. P. (in press). *High leverage iPad Apps for the mathematics classroom*. Submitted for publication 10/2013

Perry, A. D., & Thrasher, E. P. (under review). *High leverage iPad Apps in the mathematics classroom: Wolfram|Alpha*. Submitted for publication 11/2013

Professional Activities and Affiliations

Member, National Council of Teachers of Mathematics	2009- present
Reviewer, National Council of Teachers of Mathematics	
Member, North Carolina Council of Teachers of Mathematics	2009, 2011-present
Member, Association of Mathematics Teacher Educators	2011-present
Reviewer, Association of Mathematics Teacher Educators	2013
Member, American Educational Research Association	2012

Honors Society Memberships

Alpha Chi Honor Society	2003- present
Alpha Kappa Mu Honor Society	2004-present
Kappa Delta Pi International Honors Society	2012-present