

# Viveka O. Borum, Ph.D.

## EDUCATION

**Teachers College, Columbia University**, New York, NY

Ph.D., Mathematics Education, May 2010

Dissertation: *Building a model for success: Examining black women with doctoral degrees in mathematics*

**Wayne State University**, Detroit, MI

M.A., Pure Mathematics, August 2005

Thesis: *Non-Euclidean Geometry*

**Wayne State University**, Detroit, MI

B.A., Mathematics, December 2003

*cum laude*

## CURRENT POSITION (DEPARTMENT/UNIVERSITY):

Assistant Professor, Mathematics Department

Spelman College, Atlanta, GA

## TEACHING EXPERIENCE

### Education Department

**Wayne State University**, Detroit, MI

Assistant Professor, Mathematics Education

August 2010- May 2012

### Mathematics Department

**Wayne State University**, Detroit, MI

*Lecturer*, Mathematics Department

August 2005 - May 2006

*Graduate Teaching Assistant*, Mathematics Department

January 2004 - August 2005

### Math Corps Program

**Wayne State University**, Detroit, MI

*Instructor*

May - August 2000, 2001, 2003, 2004, 2005, 2006, 2008, 2009, 2011, 2012, 2013, 2014, 2015

## PRESENTATIONS

- Borum, V. (2014, March). Interactive Instruction in College Algebra. Presentation given at the Mathematical Association of America Southeastern Conference, Tennessee Tech University, March 2014.
- Borum, V. (2013, March). What does research in mathematics education look like? Invited talk given for the Mathematics Colloquium at Spelman College, Atlanta, GA.
- Borum, V., & Waddell, L. (2013, February). Exposing the mathematical pipeline: African American females experiences in the mathematics classroom. Presentation given at the Association of Teacher Educators Conference, Atlanta, GA.
- Borum, V., & Waddell, L. (2012, April). Who's Listening? African American females' experiences in the mathematics classroom. Presentation given at the National Council of Teachers of Mathematics Research Pre-session, Philadelphia, PA.
- Borum, V., & Walker, E. (2012, April). The Role of Black Colleges in the Development of Mathematicians. Presentation given at the American Educational Research Association Conference, Vancouver, British Columbia, Canada.
- Borum, V. (2011, May). Intrinsic and Extrinsic factors contributing to the success of Black women mathematicians: Implications for mathematics education of African American females in school. Presentation given at the Institute for the study of the African American Child: Conference on Research Directions, Hilton Head Island, SC.
- Borum, V. (2011, February). Differentiated Instruction in a Mathematics Classroom. Presentation given at Professional Seminar for Pre-Student Teachers, Wayne State University, MI.
- Borum, V. (2011, February). Building bridges: Making connections across the mathematics curriculum. Presentation given at the Math in Action Conference, Grand Valley State University, MI.
- Borum, V. (2009, June). Building a model for success: Examining black women with doctoral degrees in mathematics. Poster presented at the 2009 Council for African and Americans in the Mathematical Sciences Conference (CAARMS), Rice University, TX.
- Borum, V. (2005, June). Geometry: Measuring the Earth. Poster presented at the 2005 Council for African and Americans in the Mathematical Sciences Conference (CAARMS), University of California - Berkeley, CA.

## PUBLICATIONS

**Borum, V. O.** (2012). Promoting equity: Examining a model of success for African American women in mathematics. *Journal of Mathematics Education at Teachers College*, 3, 85-90.

**Borum, V.**, & Walker, E. (2012). What makes the difference? Black women's undergraduate and graduate experiences in mathematics. *Journal for Negro Education*.

Roberts, S., & **Borum, V.** (2012). Coming Full Circle. *Mathematics Teaching in the Middle School*, 18(2), 110-116.

**Borum, V.**, & Walker, E. (2011). Why didn't I know? Black women mathematicians and their avenues of exposure to the doctorate. *Journal of Women and Minorities in Science and Engineering*, 17(4), 357-369.

## GRANTS

**March 2013** Co-PI, NSF Robert Noyce Scholarship Program Capacity Building Grant, "Spelman's STEM Teacher Education Pipeline (SSTEP)", NSF Division of Undergraduate Education (DUE). **(Funded; Amount: \$300,000)**