

Curriculum Vitae

Brandie Waid

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EDUCATION

Ph.D., Mathematics Education

Teachers College, Columbia University, New York, NY

May 2018

Dissertation Title: “Pre-service Mathematics Teacher Beliefs and Growth Mindset Assessment”

M.Phil., Mathematics Education

Teachers College, Columbia University, New York, NY

February 2016

M.Ed., Curriculum and Instruction

The University of Tampa, Tampa, Florida

August 2010

B.S., Mathematics and Mathematics Education

The University of Tampa, Tampa, Florida

December 2008

EMPLOYMENT

University Teaching

Drew University, Madison, NJ

Assistant Professor of Teacher Education

July 2018 – Feb 2021

Graduate Courses Taught:

Methods of Teaching and Assessment in Middle and High School Science

Methods of Teaching and Assessment in Middle and High School Math

Teaching as Inquiry and Advocacy

Reflective Seminar for Clinical Practice II

Diversity in Family, Schools, and Communities

Inquiry in Math and Science (Elementary, Middle, and High School)

Social Emotional Learning and the 21st Century Classroom

Teachers College, Columbia University, New York, NY

Graduate Teaching Assistant

January 2013 - May 2018

Graduate Courses Taught:

Student Teaching Seminar

Mathematics Student Teacher Supervisor

Abstract Algebra

Mathematical Modeling

The University of Tampa, Tampa, FL

Adjunct Professor of Education

August 2011 – December 2011

Undergraduate Courses Taught:

Teaching Reading in the Secondary Content Areas

K-12 Mathematics Teaching

The Hewitt School, New York, NY

High School and Middle School Mathematics Teacher

January 2016 – August 2017

Courses Taught:

Honors Pre-Calculus

Pre-Calculus

7th grade Algebra 1A

8th grade Algebra 1B

Frederick Douglas Academy II, New York, NY

Assistant Teacher/Push-In & Curriculum Writer

August 2013 – May 2014

Courses Taught:

7th Grade Math/Science Enrichment

Bartow High School, Bartow, FL

High School Mathematics Teacher and Algebra Team Co-Leader

August 2011 – June 2012

Courses Taught:

Algebra

Intensive Mathematics (Pre-Algebra)

Honors Geometry

Lake Wales Senior High School, Lake Wales, FL

High School Mathematics Teacher

January 2009 – May 2011

Courses Taught:

AP Statistics

Pre-Calculus

Algebra 2

Algebra 1A

Algebra 1B

Advanced Topics in Mathematics (Analysis of Functions)

PUBLICATIONS***Edited Volumes***

Fletcher, N., Velamuri, A., **Waid, B.E.**, & Dimacali, A. (Eds.) (2013). *Mathematical modeling handbook II: The assessments*. COMAP. <https://www.comap.com/product/samples/MHBII-DRAFT.pdf>

Peer Reviewed Publications

Waid, B.E. (2021). The condo problem: Musings of a queer mathematics educator. *Mathematics Teacher: Learning and Teaching PK-12*, 114(5), e12-e25.

Waid, B.E. & Turner, K.H. (2021). Inqu[ee]ry across the curriculum. *English Journal*, 110(3), 81-87.

Waid, B.E. (2020). Supporting LGBTQ+ students in K-12 mathematics. *Mathematics Teacher: Learning and Teaching PK-12*, 113(11), 874-884. <https://doi.org/10.5951/MTLT.2019.0403>

*Highlighted Article in *Marshall Memo 863*, November 23, 2020

Waid, B.E. (2014). Creating a dynamic mathematics curriculum. *Mathitudes 1*(1), 1-9.

Smyth, T.S., & **Waid, B.E.** (2010). Integrating literature: A novel idea! *Mathematics Teacher*, 104(2), 113-119. <https://doi.org/10.5951/MT.104.2.0113>

Non Peer-Reviewed Publications and Curricular Materials

Waid, B.E. (2021). *Symmetry and identity: An exploration of the “progress” flag*. Lesson plans on National Council of Teachers of Mathematics Illuminations website. <https://www.nctm.org/Classroom-Resources/Illuminations/Lessons/Symmetry-and-Identity-An-Exploration-of-the-Progress-Flag/>

Waid, B.E. (2021). *A call to action: How will you push for liberation in mathematics?* Global Mathematics Department Newsletter. <https://mailchi.mp/d140ad12897c/jl138bi0dt-2671771>

Waid, B.E. (2018). *Pre-service mathematics teacher beliefs and growth mindset assessment*. [Doctoral dissertation, Teachers College, Columbia University]. Columbia Academic Commons. <https://doi.org/10.7916/D88S65ZB>

Waid, B.E. (2013). Assessment of “a model solar system.” In Fletcher, N. Velamuri, A., Waid, B., & Dimacali, A. (Eds.), *Mathematical modeling handbook II: The assessments*. Bedford, MA: COMAP.

Johnson, R. & **Waid, B.E.** (2013). Assessment of “sunken treasure.” In Fletcher, N. Velamuri, A., Waid, B., & Dimacali, A. (Eds.), *Mathematical modeling handbook II: The assessments*. Bedford, MA: COMAP.

Audio and Video Publications

Waid, B.E. Contributor. “The camp of mathematical queries.” Our Souls Curriculum Facebook Live Show. 9 September 2021. <https://www.facebook.com/vibewithvibe>

- Waid, B.E.** Contributor. "Finding your metaphor for the year." Shifting our Schools Podcast. 25 August 2021.
<https://podcasts.apple.com/us/podcast/episode-174-finding-your-metaphor-for-the-year74/id185888113?i=1000533125434>
- Waid, B.E.** Contributor. "S3.E4" Community Voices IG Live. 22 July 2021.
https://www.instagram.com/tv/CRpkZ7unZ22/?utm_source=ig_web_copy_link
- Waid, B.E.** Contributor. "Something fun and queer." Be a Better Ally Podcast. 1 July 2021.
<https://podcasts.apple.com/us/podcast/episode-39-something-fun-and-queer/id1481229472?i=1000527570790>

Manuscripts Under Review and in Preparation

- Waid, B.E.** (under review, *Teaching for Excellence and Equity in Mathematics*). A mathematical inquiry into the pay gap.
- Waid, B.E.** (in preparation). *School field trip: A 5th grade mathematical inquiry*. Lesson plans on National Council of Teachers of Mathematics Illuminations website.
- Waid, B.E.** (in preparation). *The couples dancing problem: A middle school mathematical inquiry*. Lesson plans on National Council of Teachers of Mathematics Illuminations website.
- Waid, B.E.** (in preparation). *How many students are in the 3rd grade? A 3rd grade mathematical inquiry*. Lesson plans on National Council of Teachers of Mathematics Illuminations website.
- Waid, B.E.** and Champagne, Z. (in preparation, *Mathematics Teacher: Learning and Teaching PK-12*). Queer money matters: 7th and 8th graders explore the pay gap and its implications for LGBTQ+ families.
- Waid, B.E.** & Velamur, A. (in preparation, *Journal for Research in Mathematics Education*). The relationship between pre-service mathematics teachers' beliefs and the written feedback they provide on student assessments.

PRESENTATIONS

Refereed Presentations: National and International Conferences

- Turner, K. , **Waid, B.E.** , Jones, E., Fintz, R., Bolgatz, J., George, M. & Shannon, C. (2020). *Inquiry across the curriculum*. Panel presentation accepted to "Confluencia! Songs of Ourselves," the National Council of Teachers of English (NCTE) 2020 Annual Meeting, Denver, CO. 21 November 2020. (Conference cancelled due to COVID-19)
- Waid, B.E.** & Bailey, B. (2020). *Queering the mathematics classroom: Inclusive mathematics for LGBTQ+ youth*. Interactive workshop accepted to National Council of Teachers of Mathematics (NCTM) 2020 Centennial Meeting, Chicago, IL. 3 April 2020. (Conference cancelled due to COVID-19)

- Turner, K., **Waid, B.E.**, & Vitalone-Raccaro, N. (2020). *Developing reflective practitioners through the use of virtual feedback*. Round table presented at the Association of Teacher Educators (ATE) 2020 Annual Meeting, Atlantic City, NJ. 17 February 2020.
- Waid, B.E.** & Velamur, A. (2019). *Growth mindset mathematics feedback*. Interactive workshop presented at National Council of Teachers of Mathematics (NCTM) Annual Meeting, San Diego, CA. 5 April 2019.
- Waid, B.E.** & Bailey, B. (2018). *edTPA's focus on academic language and its influence on the feedback teacher candidates provide on student assessments*. 2018 Teacher Performance Assessment Conference, San Jose, CA. 19 October 2018.
- Wasserman, N., Stockton, J., Weber, K., Champion, J., **Waid, B.E.**, Sanfratello, A., & McCallum, W. (2015). *Exploring the role of the mathematical horizon for secondary teachers*. National Council for Teachers of Mathematics (NCTM) Research Conference, Boston, MA. 14 April 2015.
- Wasserman, N., Casey, S., Champion, J., Huey, M., **Waid, B.E.**, Sanfratello, A., & McCallum, W. (2015). *Exploring the impact of advanced mathematics on secondary teaching practices*. Association of Mathematics Teacher Educators (AMTE) Annual Conference, Orlando, FL. 13 February 2015.

Refereed Presentations: Regional Conferences

- Waid, B.E.** (2019). *Beyond queer histories*. Refereed roundtable presented at the 2019 New Jersey Association of Colleges for Teacher Education Conference, New Brunswick, NJ. 21 March 2019.
- Vitalone-Raccaro, N. & **Waid, B.E.** (2019). *How the national writing project helped us educate candidates for social justice*. Refereed roundtable presented at the 2019 New Jersey Association of Colleges for Teacher Education Conference, New Brunswick, NJ. 21 March 2019.

Refereed Poster Presentations: National Conferences

- Waid, B.E.** & Velamur, A. (2019). *Pre-Service teachers' beliefs and growth mindset assessments*. Poster session presented at the National Council for Teachers of Mathematics (NCTM) Research Conference, San Diego, CA. 2 April 2019.

Invited National and International Presentations

- Waid, B.E.** (2021). *Beyond 'safe' and tolerant classrooms: Creating humanizing mathematical experiences for LGBTQ+ students*. Knowledgehook September Community of Practice (Virtual). 18 September 2021.
- Leyva, L.A., **Waid, B.E.**, Suárez, M.I., Champagne, Z, & Thompson, V. (2021). *Perspectives on LGBTQ+ inclusion in mathematics teaching practices* (Panel Discussion). TODOS Virtual Conference 2021: Activating Agency, Access, and Advancement in Mathematics. 23 June 2021.
- Waid, B.E.** & Velamur, A. (2021). *Queering the unqueerable: Rethinking geometric proof*. TODOS Virtual Conference 2021: Activating Agency, Access, and Advancement in Mathematics. 22 June 2021.

Waid, B.E. & Suárez, M.I. (2021). *At the intersections*. Pride in STEM's LGBTQ+ History Month 2021 Event (Virtual). 22 February 2021.

Waid, B.E. (2021). *From inclusion to inqu[ee]ry: Methods of supporting LGBTQ+ students in k-12 mathematics*. NCTM Professional Development Webinar Series. 17 February 2021.

Invited and Local Presentations

Owens, L. and **Waid, B.E.** (2021). *Student and teacher humanity at the forefront: Centering healing, self-care, and re/humanization as we begin the school year*. Radical Pedagogy Institute Cross-Cutting Offering (Virtual). 2 September 2021.

Owens, L., **Waid, B.E.**, Phelps, D., Picower, B., & Emerson, G. (2021). *Creating re/humanized classrooms: Next steps*. Radical Pedagogy Institute's 2021 Summer Collaborative (Virtual). 12 August 2021.

Waid, B.E. (2021). *Disrupting gender and heteronormativity in PK-12 Schools*. Radical Pedagogy Institute's 2021 Summer Collaborative (Virtual). 15 July 2021.

Aryee-Price, A.O., Owens, L., **Waid, B.E.**, Phelps, D., Picower, B., & Emerson, G. (2021). *Resisting a return to 'normal': Creating re/humanized classrooms* (opening session following keynote; virtual). Radical Pedagogy Institute's 2021 Summer Collaborative. 1 July 2021.

Waid, B.E. (2021). *The guided learning model to differentiate instruction in hybrid/concurrent grade 3-5 learning settings*. Parsippany Troy Hills School District & Rutgers University Center for Mathematics, Science & Computer Education. 15 March 2021.

Waid, B.E. (2021). *The guided learning model to differentiate instruction in hybrid/concurrent k-2 learning settings*. Parsippany Troy Hills School District & Rutgers University Center for Mathematics, Science & Computer Education. 15 March 2021.

Waid, B.E. (2021). *Supporting LGBTQ+ students in high school geometry*. New York University. February 2021.

Waid, B.E. (2021). *Supporting LGBTQ+ students in elementary mathematics*. College of Charleston. February 2021.

Waid, B.E. (2019). *LGBTQ+ inclusive classrooms and pedagogy*. Interactive workshop presented at DrewTEACH Developing Literacies Conference: Social Justice in the 21st Century Classroom, Madison, NJ. 2 February 2019.

Vitalone-Raccaro, N., & **Waid, B.E.** (2019). *Using voice thread to engage students*. Interactive talk presented at CommonsCon: Teaching and Technology Conference, Madison, NJ. 15 March 2019.

Waid, B.E. (2018). *Diverse learners in a diverse america*. Drew University, Madison, NJ. November 2018 and June 2019.

Waid, B.E. & Weinberg, S. (2018). *Teacher preparation: Research, policy, and the educative teacher preparation assessment (edTPA)*. Teachers College, Columbia University, New York, NY. April 2018.

Waid, B.E. (2018). *Breaking down the edTPA assessment handbook: A three session workshop*. Teachers College, Columbia University, New York, NY. Every semester January 2013 – May 2018.

Glover, L. & **Waid, B.E.** (2017). *Establishing a successful classroom experience through better understanding of the student teacher evaluation process*. Teachers College, Columbia University, New York, NY. February 2017.

Waid, B.E. (2008). *Nash equilibrium: Senior seminar*. Academic presentation. The University of Tampa, Tampa, FL. November 2008.

Panels Organized

Leyva, L.A., **Waid, B.E.**, Suárez, M.I., Champagne, Z., & Thompson, V. (2021). *Perspectives on LGBTQ+ inclusion in mathematics teaching practices* (Panel Discussion). TODOS Virtual Conference 2021: Activating Agency, Access, and Advancement in Mathematics. 23 June 2021.

Waid, B.E. (2020) MAT Alumni edTPA Tips and Tricks Panel. Drew University, Madison, NJ.

Waid, B.E. (2020). Zoom MAT Alumni Job Search Panel. Drew University, Madison, NJ.

Waid, B.E. (2017). STEM Empowerment Day for Girls. The Hewitt School, New York, NY.

RESEARCH IN PROGRESS

The Impact of Teaching Tolerance Anti-Bias Framework and Standards on Pre-Service Teacher Beliefs, 2019 - Present

My colleague, Nancy Vitalone-Raccaro, and I are conducting a study to explore the impact of adopting the Teaching Tolerance Anti-Bias Framework and Standards in our diversity courses. We have finished collecting data from our Summer 2019 and Spring 2020 offerings of the course and will begin data analysis on course reflections and assignments to determine how the adoption of this new lens has impacted the teaching and learning of our MAT and M.Ed students.

SERVICE ACTIVITIES

Service to University or School

Drew University

Master of Arts in Teaching Program CAEP Accreditation Committee, Committee Member, Standard 4 Author/Data Collection Coordinator, and Major Contributing Author to Diversity Theme Documents, Fall 2018 - Fall 2019

Master of Education Program, Program Coordinator, Summer 2018 - Spring 2020

Master of Arts in Teaching Program, edTPA Coordinator, Summer 2018 - Fall 2020

Master of Arts in Teaching Program's STEAM Enrichment, Program Coordinator, Summer 2018 - Summer 2019

Master of Arts in Teaching Program Curriculum Mapping Committee, Committee Member, Spring 2019

Master of Arts in Teaching Program Search Committee, Committee Member, Spring 2019

Teachers College, Columbia University

Master of Arts in Teaching Program edTPA Support Program, Creator and Coordinator, Spring 2013 - Spring 2018

The Hewitt School

Mathematics Department, Curriculum Writer/Co-Lead for Pre-Calculus, 7th grade Algebra 1A, and 8th Grade Algebra 1B, January 2016 - August 2017

Bartow High School

Algebra 1 End of Course Summer Camp, Administrator, Coordinator, and Developer, July 2012

Algebra 1 and Geometry End of Course Review Team, Curriculum Writer/Co-Lead, November 2011 - June 2012

Lake Wales Senior High School

Pre-Calculus and AP Statistics Curriculum Writing Team, Curriculum Writer/Lead, August 2010 - May 2011

Advanced Topics in Mathematics, Algebra 1A, Algebra 1B, and Algebra 2 Curriculum Writing Team, Curriculum Writer/Co-Lead, January 2009 - May 2011

Service to the Profession and Community

Mathematics Teacher: Learning and Teaching PK-12. Editorial Board Member · National Council of Teachers of Mathematics, June 2021- Present

Critical, Philosophical, and Psychoanalytic Institute for Mathematics Education, Founding Member, Fellow, and Editorial Board Member, February 2021- Present

Camp of Mathematical Queeries: A Virtual Math Enrichment for LGBTQ+ High School Students. Creator and Facilitator · The Queer Mathematics Teacher, Radical Pedagogy Institute, and Teach About Women, July - August 2021.

Mathematical modeling handbook II: The assessments, Editorial Board Member · Teachers College, Columbia University, 2013

Peer Referee:

Journal for Research in Mathematics Education, National Council of Teachers of Mathematics
Mathematics Teacher: Learning and Teaching PK-12, National Council of Teachers of Mathematics
Journal of Mathematics Education at Teachers College, Teachers College, Columbia University
National Council of Teachers of Mathematics Research Conference 2019, National Council of Teachers of Mathematics

PROFESSIONAL ASSOCIATIONS

National Council of Teachers of Mathematics

TODOS

Critical, Philosophical, and Psychoanalytic Institute for Mathematics Education

Radical Pedagogy Institute

NEW Caucus

CERTIFICATIONS

Florida Professional Teaching Certificate in Mathematics (Grades 6-12), expired June 2018.

RECOGNITION, AWARDS, AND HONORS

Highlighted Article - *Marshall Memo 863*, November 23, 2020

William David Reeve Fellowship – Teachers College, Columbia University, New York, NY, 2015

TC Minority Scholarship – Teachers College, Columbia University, New York, NY, 2012 – 2015

Zankel Urban Fellowship – Teachers College, Columbia University, New York, NY, 2013 – 2014

Featured Alumna – The University of Tampa, Tampa, FL, 2013

Graduating with Highest Honors – The University of Tampa, Tampa, FL, 2010

Magna Cum Laude and Honors Distinction – The University of Tampa, Tampa, FL, 2008

Department of Mathematics Outstanding Senior Award– The University of Tampa, Tampa, FL, 2008

Theodore Roosevelt Scholarship – The University of Tampa, Tampa, FL, 2007 – 2008

Florida Academic Scholar – The University of Tampa, Tampa, FL, 2005 – 2008

OTHER PROFESSIONAL ACTIVITIES

The Queer Mathematics Teacher, Founder and Consultant, NJ, 2021 - Present

Radical Pedagogy Institute, Co-founder and Co-lead, NJ, 2021 - Present

Teach about Women, Certification Planning Team, Austin, TX, 2021

Rutgers University for Center for Mathematics, Science & Computer Education, Professional Development Consultant, Piscataway, NJ, 2021

Teachers College, Columbia University, edTPA consultant, New York, NY, 2018-2019.

Pearson, edTPA Scorer, Hoboken, NJ, 2013

The University of Tampa, Educational Consultant, Mathematics 6-12 Florida Teacher Certification Exam Sample Assessments, Tampa, FL, 2013

Shmoop, Educational Consultant, Florida Geometry End of Course Exam Preparation, Mountain View, CA, 2012 –2013

Infinity Software Development, Inc., Educational Services Provider, Standards Based Curriculum Modules, Tallahassee, FL, 2012