

Curriculum Vitae

Tiffany Jacobs Ph.D.
Clinical Assistant Professor
University of West Georgia
678-839-5000
tjacobs@westga.edu

Education

- 2018 Doctor of Philosophy in Early Childhood and Elementary Education, 4.01 GPA
Graduation Date: December 2018
Dissertation: *Elementary Teacher Candidates' Lived Experiences of Elementary Education edTPA Mathematics Assessment Task*
Georgia State University, Atlanta, Georgia
- 2011 Master of Education in Early Childhood Education with Thematic Mathematics Concentration, 3.97 GPA
K-5 Mathematics Endorsement
Georgia State University, Atlanta, Georgia
- 2009 Bachelor of Science in Early Childhood Education and Special Education, 3.97 GPA,
Honors: Summa Cum Laude, Dean's List, President's List, Faculty Scholar Georgia State University, Atlanta, Georgia

Professional Experience

- Aug 2024-Present Clinical Assistant Professor
University of West Georgia, Carrollton, Georgia
- Aug 2020-July 2024 K-5 Mathematics Instructional Coach
Use school data to support Tier I mathematics instruction K-5. Design and implement professional development for teachers. Implement and support PLCs K-5.
- Aug 2018-July 2020 K-5 Math Intervention Specialist
Screened and identified students who needed additional mathematics support. Designed and taught small groups of students in their areas of mathematical need. Implemented research-based interventions. Supported classroom teachers with instructional strategies and analyzing student growth.
- Aug 2012- July 2018 Graduate Research Assistant
Georgia State University, Atlanta, Georgia
Assisted faculty members with research projects. Tasks included: writing literature reviews, collecting and entering data into SPSS, writing and renewing IRB protocols, analyzing interview data.

Jan 2013-July 2018 Graduate Teacher Assistant

Georgia State University, Atlanta, Georgia

Primary responsibilities included: teaching the undergraduate courses “Elementary Mathematics Methods Primary” and “Elementary Mathematics Methods Upper”; teaching the graduate course “Foundations of Learning and Teaching Mathematics”; and preparing undergraduate students for edTPA Mathematics Assessment Task 4.

Jan 2014- May 2016 Elementary Mathematics Consultant, K-5 Teacher Development Support
Various Elementary Schools

Dawson County School District, Dawsonville, Georgia

May 2010- May 2012 Teacher, 4th and 5th grade general education teacher within an inclusion
classroom, transferred to assist in opening a new elementary school
Riverview Elementary School

Dawson County School District, Dawsonville, Georgia

Aug 2009- May 2010 Title I Teacher, K-5 Co-Teacher and Pull Out Specialist
Black’s Mill Elementary School

Dawson County School District, Dawsonville, Georgia

Publications

Jacobs, T., & Swars Auslander, S. (2021). Understanding a high stakes teacher performance assessment in mathematics through elementary prospective teachers’ lived experiences. *Journal of Mathematics Teacher Education*, 24, 459-480.

Auslander, S.S., Hart, L.C., Carothers, J., **Jacobs, T.**, & Chestnutt, C., (2019). University mathematics content courses and elementary prospective teachers: A review of research from 1990-2014. *Action in Teacher Education* 41(1), 23-42.

Hart, L. C., Swars Auslander, S., Venuto, N., **Jacobs, T.**, Carothers, J., & Chestnutt, C. (2019). A review of research on affect of elementary prospective teachers in university mathematics content courses 1990-2016. *School Science and Mathematics* 119(1), 3-13.

Jacobs, T. G., Smith, M. E., Auslander, S. S., Smith, S. Z., & Myers, K. D. (2017). Building synergy: Cognitively Guided Instruction and implementation of a simulated edTPA elementary mathematics task during an undergraduate methods course. *Mathematics Teacher Educator*, 6(1), 40-51.

Hart, L. C., Swars Auslander, S., Carothers, J., **Jacobs, T.**, & Chestnutt, C. (2016). A review of 25 years of research: Elementary prospective teachers in university mathematics content courses. *Proceedings of the 38th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Tucson, Arizona:

University of Arizona

Jacobs, T., Smith, M. E., Swars, S. L., Smith, S. Z., & Myers, K. D. (2015). Examining effects of implementing an EdTPA task in an elementary mathematics methods course. In T.G. Bartell, K. N. Bieda, R. T. Putnam, K. Bradfield, & H. Dominguez (Eds.), *Proceedings of the 37th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 703-709). East Lansing, MI: Michigan State University.

Hart, L.C., Swars, S.L., Carothers, J., **Jacobs, T.**, & Chestnutt, C. (2014). Research on affect of preservice elementary teachers in university mathematics content courses: 1990-2012. In Liljedahl, P., Nicol, C., Oesterle, S., & Allan, D. (Eds.), *Proceedings of the 38th Conference of the International Group for the Psychology of Mathematics Education and the 36th Conference of the North American Chapter of the Psychology of Mathematics Education* (Vol. 1). Vancouver, Canada: PME.

Hart, L. C., Swars, S. L., Carothers, J., Chestnutt, C., & **Jacobs, T.** (2013). State of the research on prospective elementary teachers in university mathematics content courses: 1990-2012. In M. Martinez & A. Castro Superfine (Eds.), *Proceedings of the 35th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 781-784). Chicago, IL: University of Chicago.

Conference Presentations

Sloop, G.M., **Jacobs, T.**, & Scott, J. (June 2023). *Using Temperaments to Make PLCs “Stronger Together”*. Professional Learning Presentation. Forsyth County Schools Annual Leadership Conference, Cumming, Georgia.

Hart, L. C., Swars Auslander, S., Carothers, J., **Jacobs, T.**, & Chestnutt, C. (November, 2016). *A review of 25 years of research: Elementary prospective teachers in university mathematics content courses*. Full research report presentation at the North American Chapter of the International Group for the Psychology of Mathematics Education Annual Meeting, University of Arizona, Tucson, AZ

Jacobs, T., Myers, K. D., Bridges-Rhoads, S., & Hughes, H. (May, 2016). *Complicating theoretical reading in doctoral work*. Research Report Presentation at the Twelfth International Congress of Qualitative Inquiry, University of Illinois, Urbana-Champaign.

Jacobs, T., Swars, S. L., Smith, M. E., Smith, S. Z., & Myers, K. D. (April, 2016). *Implementing an edTPA Task in an elementary mathematics methods course: Learning experiences and outcomes for prospective teachers*. Research Paper Roundtable Session at the American Educational Research Association Annual Meeting, Washington, D.C.

Smith, S. Z., Smith, M. E., Swars, S. L., Myers, K. D., & **Jacobs, T.** (April, 2016). *Preparing*

teachers for today's elementary mathematics classroom: Exploring changes in beliefs and specialized content knowledge. Research Paper Roundtable Session at the American Educational Research Association Annual Meeting, Washington, D.C.

- Jacobs, T.**, Swars, S. L., Smith, S. Z., Smith, M. E., & Myers, K. D. (November, 2015). *Examining effects of implementing an edTPA task in an elementary mathematics methods course.* Research Report Presentation at the North American Chapter of the International Group for the Psychology of Mathematics Education Annual Meeting, Lansing, MI.
- Tanguay, C., **Jacobs, T.**, & Hart, L.C.. (March, 2015). *Experiences, assignments and structures that support edtpa task 4.* Presentation at the EdTPA Southeast Regional Summit, Savannah, Ga.
- Hart, L. C., Swars, S. L., **Jacobs, T.**, Carothers, J., & Chestnutt, C.. (July, 2014). *State of the research on prospective elementary teachers in university mathematics content courses: 1990-2012.* Brief research report presentation at the Psychology of Mathematics Education Annual Meeting, Vancouver, Canada
- Hart, L. C., Swars, S. L., Carothers, J., **Jacobs, T.** & Chestnutt, C.. (November, 2013). *State of the research on prospective elementary teachers in university mathematics content courses: 1990-2012.* Brief research report presentation at the North American Chapter of the International Group for the Psychology of Mathematics Education Annual Meeting, Chicago, IL.
- Jacobs, T.** (April, 2013). *Instructional strategies used in elementary mathematics classrooms on students in first through third grade.* Theoretical research report at the Sources of Urban Educational Excellence Conference, Atlanta, Ga.

Editorial Scholarship

- Reviewer for 2016 AERA Conference Research Proposals
Reviewer for 2015 PME-NA Conference Research Proposals
Reviewer for 2013 GATE Conference Research Proposals
Reviewer for *Journal for Research in Mathematics Education*, NCTM empirical refereed
Reviewer for *Mathematics Teacher: Learning and Teaching PK-12*, NCTM peer reviewed journal

Grants

- Jacobs, T. (2023). *Elementary Mathematics Manipulative Grant.* Georgia Department of Education. Amount: \$4000
- Jacobs, T. (2022). *Purple Pansies General Funding for Patient Services.* Costco. Amount: \$500
- Jacobs, T. (2021). *Book Vending Machine Community Grant.* Wal-Mart. Amount: \$2500
- Jacobs, T. (2019). *National Council of Teachers of Mathematics (NCTM) Technology and*

Mathematics Grant. NCTM. Amount: \$5000

Jacobs, T. (2013). *College of Education and Human Development Dean's Conference Fund for Students*. Georgia State University. Amount: \$400.

Research Experiences

Jan. 2017-May 2017 Dissertation Data Collection and Analysis

Elementary Teacher Candidates' Lived Experiences of Elementary Education edTPA Mathematics Task 4: Assessing Students' Mathematics Learning

July 2016-Nov. 2016 Prospectus Preparation and Defense

Elementary Teacher Candidates' Lived Experiences of Elementary Education edTPA Mathematics Task 4: Assessing Students' Mathematics Learning

July 2016-Present Research Study Co-author

Integrating technology into worthwhile mathematical task: A deeper look at the Principles to Action

Aug.2014-Feb.2016 Led a research project from inception to successful paper submission

Examining a Simulated edTPA Task Using Cognitively Guided Instruction in an Elementary Mathematics Methods Course

June 2014 Wrote and sought approval from IRB

Content Knowledge and Beliefs of Elementary Teachers in an ECE Mathematics Master's Degree Program

April 2013 Developed and presented a theoretical research proposal *Instructional Strategies used in Elementary Mathematics Classrooms on Students in First through Third Grade*

August 2012 Research Synthesis data collection and co-wrote literature view *University Mathematics Content Courses and Elementary Prospective Teachers: A Review of Research from 1990-2014*

May-July 2011 Capstone Project, Master's Degree

Professional Development Course: Developing Mathematical Content Knowledge for Elementary Teachers

March 2008 Undergraduate Research Conference

Literacy in the Autism Spectrum Disorders

University Teaching

Fall 2024:

- ECED 3271- Integrating Curriculum, Instruction, & Classroom Management for Pre-K-5 Classrooms
- ECED 6260- Classroom Management
- ECED 7272- Classroom Management Early Grades (P-5)
- ECED 7282- Directed Reading in Education

Spring 2018:

- ECE 3603- B.S.E Elementary Mathematics Methods Primary
 - *Two Sections*

Fall 2017:

- ECE 3604-B.S.E. Elementary Mathematics Methods Upper
 - *Two sections*

Spring 2017:

- ECE 3603- B.S.E Elementary Mathematics Methods Primary
- ECE 3604-B.S.E. Elementary Mathematics Methods Upper

Fall 2016:

- ECE 3604- B.S.E. Elementary Mathematics Methods Upper
- ECE 6390- M.A.T. Foundations of Learning and Teaching Mathematics

Spring 2016:

- ECE 3603- B.S.E. Elementary Mathematics Methods Primary
- ECE 3604- B.S.E. Elementary Mathematics Methods Upper

Fall 2015:

- ECE 3603-B.S.E. Elementary Mathematics Methods Primary

Spring 2015:

- ECE 3603- B.S.E. Elementary Mathematics Methods Primary

Fall 2014:

- ECE 3607- B.S.E. Mathematics Methods in Elementary Education
- ECE 3607- B.S.E. Mathematics Methods in Elementary Education

Spring 2014:

- ECE 3607- B.S.E. Mathematics Methods in Elementary Education
- ECE 3607- B.S.E. Mathematics Methods in Elementary Education

Fall 2013:

- ECE 3607- B.S.E. Mathematics Methods in Elementary Education
- ECE 3607- B.S.E. Mathematics Methods in Elementary Education

Spring 2013:

- ECE 3607- B.S.E. Mathematics Methods in Elementary Education

Professional Service

- Aug. 2018-July 2024 School Leadership Committee Member
- Aug. 2018-July 2024 Forsyth County Schools K-12 Mathematics Advisory Committee Member
- Nov.-Dec. 2017 Prepared and hosted GSU campus tours for various potential faculty candidates
- October 2016 Invited Speaker - ECE 7975 Graduate Student Seminar
Q & A session: Teaching Undergraduate and Graduate Courses
- February 2016 Guest Lecturer - ECE 7390 Curriculum in Early Childhood Education
Early Algebraic Thinking
- February 2016 Guest Lecturer- ECE 7410 Critical Issues in Early Childhood Education
Identify and Falsifying Cultural Stereotypes as They are Linked to Social Constructs
- February 2016 Student Representative
Georgia State University Graduate and Professional School Networking Reception
- Jan.-April 2016 Co-Mentee with Stephanie Z. Smith
Co-supervised a University Teaching Apprenticeship for doctoral student Nicole Venuto in ECE 3603: Elementary Mathematics Methods Primary
- September 2015 Invited guest speaker for Dr. Sarah Bridges-Rhoads, ECE 9800 Scholarly Inquiry
Rethinking Reading in PhDness
- Jan.-Dec. 2014 Prepared and hosted GSU campus tours for various potential faculty candidates
- October 2013 Co-Chair of the Organizing Committee for the Georgia Association of Teacher Educator's Annual Conference- *Theme: Tomorrow Matters: Change and Education for Sustainable Development*
- March 2013 Invited interviewee for a successful NCATE review Participated in multiple interviews (B.S.E. instructor, M. ED. alumni, and PhD. current student)
- January 2013 Conducted a successful syllabus alignment for revisions to course offerings within the B.S.E. program that shifted the program from one mathematics methods course to two course offerings
- Aug.-Dec. 2012 Designed and implemented an undergraduate book club with fieldwork experiences

Awards

2013 Kappa Delta Pi International Honor Student
2012 Teacher of the year
2009 Suma Cum Laude Institutional Honors

Professional Development Leadership

Aug. 2023-July 2024 Forsyth County Schools Professional Learning Leader
Worked with a school team of 4 to design and implement our professional learning plan

Aug. 2021-Dec. 2021 Instructor of Elementary Mathematics Methods Endorsement
Designed and implemented the first half of the endorsement

Jan. 2018-Present Professional learning writer and deliver for various K-5 mathematics initiatives at the district level.

Jan. 2014- May 2016 Math Consultant for Dawson County Public Schools,
Responsibilities included serving as teacher leader, designing and delivering professional development for teachers and administrators, and analyzing student assessment data

May 2011- July 2011 Capstone Project, Georgia State University
Created 4-day Professional Development Module for elementary educators on building elementary mathematics content knowledge

Aug. 2010-May 2012 Invited by school administrators to host Professional Learning Community Workshops focused on these topics: *Worthwhile mathematical tasks, Implementing Investigations math curriculum, orchestrating mathematical discourse, representing student's mathematical thinking in the classroom*

Aug 2009 Mathematics Curriculum Team Member, Dawson County Schools Attended meetings to discuss, compare, and analyze various elementary mathematics curricula for county adoption

Professional Organization Memberships

National Council of Teachers of Mathematics
Georgia Council of Teachers of Mathematics
Georgia Council of Supervisors of Mathematics
North American Chapter of the International Group for the Psychology of Mathematics Education
Association of Mathematics Teacher Educators
American Educational Research Association
Society for Phenomenology and Existential Philosophy

Kappa Delta Pi, Omicron Gamma Chapter, International Honor Society