

Trevor T. Warburton, Ph.D.
Special Education Department
Jordan School District

EDUCATION

- Ph.D. Education, Culture & Society, Emphasis: Mathematics Education
2015 University of Utah
Dissertation Title: Solving for Irrational Zeros: Whiteness in Mathematics
Teacher Education
Chair: Audrey Thompson
- M.A. Teaching English as a Second Language, The Pennsylvania State University
2006
- B.A. Double Major: Mathematics Education and Spanish Teaching, Utah State
2004 University

TEACHER LICENSE

Level 3 Secondary License: Mathematics Level IV and Spanish, Utah State Office of
Education, 5/6/2016-6/30/2023

RESEARCH INTERESTS

Teacher Preparation for Social Justice
Social Justice Mathematics Education
Equitable K-12 Mathematical Pathways into College

TEACHING EXPERIENCE

K-12 Teaching & Leadership:

- 2015-Present Math Coach for Special Education, Jordan School District
Responsibilities include professional development and support of general education and special education mathematics teachers PK-12+, working with special education and general education students in need of instructional and curricular accommodations.
- 2006-2010 Math Teacher, Battle Mountain High School
Responsibilities included teaching Trigonometry, Precalculus, Algebra 2, Sheltered Algebra 1, Sheltered Geometry, and Math Lab. I also advised Hispanic Mentors and trained and recruited Link Crew student-mentors.

Higher Education Teaching:

- 2013-2015 Teacher Education Cohort Leader, Urban Institute for Teacher Education, University of Utah
Responsibilities included teaching select licensure courses covering equity in mathematics education, classroom management, and action research; and supervision of year-long field experiences for Math for America teacher candidates.

- 2010-2013 Student-Teaching Supervisor, Urban Institute for Teacher Education, University of Utah
Observation, supervision and feedback during student-teaching for multiple secondary subject areas.
- Fall 2013 Adjunct Faculty, Continuing Education, University of Utah
Curriculum development and teaching of a special section of Math 990 for Diversity Scholars.
- 2011-2013; Adjunct Math Faculty, LDS Business College
Summer 2014 Courses taught include College Algebra, Statistics, and Calculus
- 2011-2012 Adjunct Faculty, Salt Lake Community College
-Curriculum development and teaching (face-to-face and online) for a course to prepare students to work in the energy industry.
- Summer 2011 SAT/ACT Writing Prep Instructor, University of Utah
& 2012 -Curriculum development and teaching for Korean high school students.
- 2010-2011 Adjunct Faculty, Fortis College
Courses taught include Math 101, Math for Trades, English 101, English 201, and Humanities 101.
- 2007-2009 Adjunct Faculty, Colorado Mountain College
Courses taught include: Introductory Algebra, Adult Intermediate ESL, and GED Math Prep in Spanish (Distance Education)
- 2004-2006 Graduate Teaching Assistant, The Pennsylvania State University
Curriculum development and teaching for ESL courses for International Graduate Teaching Assistants.

Select Guest Lectures

- Warburton, T.T. (2015). *Mathematics Teaching and Discourse*. ECS 6605: Race, Gender, and Curriculum.
- Warburton, T.T. (2013; 2012). *How to Incorporate Principles of Multicultural Education in a Secondary Mathematics Lesson*. ECS 3150: Introduction to Multicultural Education.
- Warburton, T.T. & Bowen, E. (2011). *Teaching Mathematics for Social Justice with the Common Core State Standards*.

GRANTS

Awarded

Utah State Office of Education: Special Education Section. PI. *LEA Request for Special Education Services Proposal Process*. Awarded \$42,928.

Utah State Office of Education: Special Education Section. PI. *Essential Elements: Team Curriculum Planning for Students with Severe Cognitive Disabilities*. Awarded \$14,450.

Unfunded

Institute of Education Sciences. Co-PI. *Implementation and Evaluation of the Effectiveness of Co-Teaching Secondary Mathematics for Students with Mild-Moderate Disabilities*. Jordan School District: Lisa Robinson, PI, Holly Allen, Co-PI. Brigham Young University: Ellie Young and Ross Larsen, Co-PI. Proposal submitted August, 2016 (\$105,137).

National Science Foundation. Senior Researcher. *DRK12: Collaborative Study of Teachers' Use and Implementation of Mathematics Curriculum in Middle School*. University of Utah: Hugo Rossi and Margarita Cummings, Co-PI. University of Pennsylvania: Janine Remillard, Co-PI. Proposal submitted December, 2015 (up to \$3,000,000).

RESEARCH EXPERIENCE

2014-2015 Graduate Research Assistant for the Utah Education Policy Center, University of Utah. Projects include:

Research synthesis and report preparation.

PI: Andrea Rorrer: *Analysis of STEM Teacher Shortages in Utah*.

Qualitative data analysis and support for report preparation.

PI: Andrea Rorrer and Cori Groth: *Math for America (MfA) Evaluation*.

Noyce Grant, National Science Foundation.

Qualitative data analysis.

PI: Andrea Rorrer and Cori Groth: *Beverly Taylor Sorenson Arts Learning: Review of Implementation in Three Districts*.

2014-2015 Manuscript Reviewer for Erin Castro (Guest Editor): Special volume for *New Directions for Community Colleges: Understanding Equity in Community College Practice*.

Summer 2011 Graduate Research Assistant for Verónica Valdez, University of Utah
Transcription and translation (Spanish-English)

PUBLICATIONS

Refereed Articles and Book Reviews:

Warburton, T.T. (2016). Turning the lens: Reflexivity in research & teaching

with Critical Discourse Analysis. *Critical Questions in Education*, 7(3), 249-267.
Available at <https://academyforeducationalstudies.org/journals/journal/current-and-past-issues/volume-7-issue-3-special-issue-on-critical-inquiry/>

Warburton, T.T., & Buendia, E. (2016). Review of *Math Education for America?: Policy Networks, Big Business, and Pedagogy Wars* (Wolfmeyer, M., 2014). *Journal for Research in Math Education*, 47(1), 93-97.

Peer-Reviewed Journal Articles in Progress:

Warburton, T.T. (Under Review). Negotiating teacher authority in social justice mathematics. Submitted to *Journal of Mathematics Teacher Education*.

Warburton, T.T., Kiuahara, S., & Thompson, A. (In Preparation). Theorizing social justice mathematics for students with disabilities. Manuscript in preparation.

Warburton, T.T. (Revising). The irrationality of taking responsibility: Whiteness in mathematics teacher education. In preparation for *Teacher Education Quarterly*.

Warburton, T.T. (In Preparation). Oil and water: Discourses of school mathematics and social justice. In preparation for *Journal of Mathematics Teacher Education*.

Warburton, T.T. (Revising). Combating the narrowing scope of mathematics education in mathematics teacher preparation. In preparation for *Educational Studies*.

Warburton, T.T. (In Preparation). Mathematical and racial identities of diverse college-level developmental mathematics students. Manuscript in preparation.

PRESENTATIONS

Warburton, T.T., & Thompson, A. (2016). *Mapping Epistemologies of Ignorance through Mathematics and Visual Art*. American Educational Studies Association Conference. Seattle, WA.

Warburton, T.T., Thompson, A., & Kiuahara, S. (2016). *Decoding Perfection: Mathematics Education, Special Education, and Social Justice*. Critical Questions in Education Symposium. Salt Lake City, UT.

Warburton, T.T. (2016). *Reclaiming Racial Identity to Motivate Mathematical Persistence*. American Educational Research Association Annual Meeting. Washington, D.C.

Warburton, T.T. (2015). *Negotiating the Discourses of Mathematics and Social Justice*. American Educational Research Association Annual Meeting. Chicago, IL.

- Warburton, T.T. (2015). *Preparing Preservice Math Teachers to Teach for Social Justice through Action Research*. Association of Math Teacher Educators Conference. Orlando, FL
- Thompson, A. & Warburton, T.T. (2014). *Loosening a Few Marbles: Collaborating on Disrupting Discourses of Dominance*. 10th International Congress of Qualitative Inquiry. University of Illinois at Urbana-Champaign
- Warburton, T.T. (2014). *Framework of Social Justice Perspectives on Mathematics* (Poster). National Council of Teachers of Mathematics Research Conference. New Orleans, LA
- Thompson, A. & Warburton, T.T. (2012). *Electronic Individualism: Student Collaboration in the Age of PowerPoint*. American Educational Studies Association Conference. Seattle, WA
- Becerra, A. & Warburton, T.T. (2012). *I'll Show You That I Can*. Critical Race Studies in Education Conference. Teachers College, NY.
- Warburton, T.T. (2011). *The USTAR Network and the University of Utah: Who is Connected?* American Educational Studies Association Conference. St. Louis, MO

SERVICE

- 2016-Present Member of the Utah State Board of Education Secondary Mathematics Leadership/Community Building Team
- 2016-Present Reviewer for *Psychology of Mathematics Education-North America Conference*.
- 2015-Present Reviewer for *American Educational Research Journal*.
- 2014-Present Reviewer for *National Council of Teachers of Mathematics Research Conference*.
- 2014-2015 Student Advisory Council Member, Education, Culture & Society, University of Utah
- 2014 AESA Book Award Reviewer: *Math Education for America?: Policy Networks, Big Business, and Pedagogy Wars*. Publication of review in *Journal for Research in Mathematics Education* (forthcoming).
- 2014 Reviewer for Critical Race Studies in Education Association Conference
- 2007-2010 Hispanic Mentor Advisor, Battle Mountain High School
- 2008-2010 Link Crew Coordinator, Battle Mountain High School

AWARDS

- 2008-2009 Outstanding Educator, Battle Mountain High School
- 2007-2008 Outstanding Educator Nominee, Battle Mountain High School
- 2006-2007 Rookie of the Year Nominee, Battle Mountain High School

2002-2003 Carl T. Degener Memorial Scholarship Runner-up (Spanish)

1998-2004 Presidential Scholarship, Utah State University

PROFESSIONAL AFFILIATIONS

American Educational Research Association (AERA), 2014-Present

- Division K-Teacher Education
- Division G-Social Context of Education
 - SIG Critical Educators for Social Justice
 - SIG Research in Mathematics Education
 - SIG Special Education Research

National Council of Teachers of Mathematics (NCTM), 2014-Present

Association of Mathematics Teacher Educators (AMTE), 2014-2015

American Educational Studies Association (AESA), 2011-2013