

**Curriculum Vitae**  
**ANGELA THOMPSON**  
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**Research Interests** *My primary interest is in the intersection of language, culture, and mathematics in a classroom. Furthermore, I am particularly interested in providing resources and best practices for underserved populations of K-16 students and students who repeat mathematics courses. My research includes preservice and inservice professional development of the above, and activism in social justice and equity in mathematics education.*

**Education**

- 2012                           **Ph.D.** Mathematics Education  
University of California, Santa Cruz
  
- 2001                           **M.Ed.** Second Language Education  
University of Houston  
**Secondary Teaching Credential: Mathematics/Psychology**  
University of Houston
  
- 1993                           **B.A.** Psychology  
University of Colorado, Boulder

**Employment**

- Assistant Professor, Governors State University, University Park, IL, 2012-present
- EdTPA scorer, Pearson, 2014-present
- CEMELA Research Fellow, University of California Santa Cruz, 2006-2011
- Consultant, TODOS/TI joint project, Bakersfield, CA, 2007
- Faculty English Lecturer, Chinese Culture University, Taipei, Taiwan, 2003-2006
- Faculty English Lecturer, National Yangming University, Taipei, Taiwan, 2004-2006
- High School Mathematics/AVID teacher, Northbrook High School, Houston, TX, 2000-2003
- Annenberg Research Fellow, University of Houston, Houston, TX, 1998-2000
- ESL Teacher Aide, Apollo High School, Glendale, AZ, 1993-1994.

**Research Experience**

- **Principal Investigator** *Effective Practices for Teacher Candidates Preparing to take the edTPA* 8/2015. Designed and authored an approved IRB to collect data from graduating teacher candidates about their experience completing the edTPA. Data is now being analyzed and coded; results will be forthcoming, including a conference presentation and manuscript for publication.

- **Principal Investigator *The Effects of Supplemental Instruction (SI) on the Post-Secondary Student*** 7/2014 to present. Co-designed and authored an approved IRB to investigate the benefits of Supplemental Instruction to students taking general education mathematics courses. Results were presented in conferences any may be used as part of a GSU graduate student thesis.
- **Principal Investigator *Promoting Academic Language Development in Mathematics for English language learners with Socratic Seminar*** 1/2013 to 7/2014 Designed and authored an approved IRB to collect data in local area middle schools on using Socratic seminar. Results were presented in conferences and in a book chapter.
- **Principal Investigator *Analysis of using tablet technology for mathematics learning*** 1/2013 to 7/2014 Designed and authored an approved IRB to collect and analyze data on GSU students repeating calculus. Results were presented in conferences and in a book chapter.
- **LMRI Research Grant** 6/2009-8/2009 Joined a team looking to analyze the use of academic language and the experiences of exemplary beginning teachers during their certification at one of several UC institutions. Results were presented as a symposium at AERA 2010 in Denver, Colorado.
- **Teaching Research Group (CEMELA)** 9/2007-2012 Collected, analyzed, and presented findings on data for a CEMELA project; helped plan and conduct a series of professional developments for a group of local elementary school teachers on academic language and mathematics. Working with Dr. Kip Tellez.
- **Consultant for the TODOS-TI California Task Force Writing Group** 6/2007 Analyzed lesson plans and offered design and suggestions for student activities using the TI Navigator that would support the learning of ELLs and all students.
- **Student Learning Research Group (CEMELA)** 9/2006-9/2007 Investigated bilingual students' mathematical sense making in relation to linguistic, social, and material contexts surrounding a group problem-solving situation. Worked in collaboration with Prof. Judit Moschkovich, Tamara Ball, and William Zahner.
- **Research Assistant on an Annenberg Project Evaluation** 1998-2000 Worked with Dr. Kip Tellez in conducting and transcribing interviews at a Houston middle school and assisted with coding and data organization.

### **Professional Experience**

- 2016-present Acting edTPA Coordinator, Governors State University
- 2014-2017 Elected Board Member of TODOS: Mathematics for All
- 2015-2016 Chair of Logistics, TODOS: Mathematics for All biennial conference
- 2013-2014 Chair of Registrations, TODOS: Mathematics for All biennial conference
- 2014-present Mathematics Education Program Coordinator, Governors State University
- 2009 TA for undergraduate course: Theories of Education, UCSC. Instructor for two

sections, providing instruction, activities, and grading for about 60 students.

- 2005-2006 Editor, *Hwa Kang Journal of Teaching English as a Foreign Language*.
- 2003-2006 English Language Instructor, Chinese Culture University, Taiwan. English Department and Language Center Faculty member specializing in conversational and composition content *English as a foreign language* for post-secondary students. Leader of extracurricular language activities, including movie conversation club, English singing contest, English Q & A, speech contest, AIDS Awareness, graduate discourse practice, and others.
- 2000-2003 Instructor, High School Mathematics and AVID. Spring Branch Independent High School District, Houston, Texas. Algebra I & II and Geometry.

### **Publications**

- Lawler, B.R., LaRochelle, R., & Thompson, A. (2016, accepted). Enhancing Activities in Mathematics Methods Courses to Achieve Sociopolitical Goals. In Kastberg, S., Tyminski, A., Lischka, A., & Sanchez, W. (Eds.), *Building Support for Scholarly Practices in Mathematics Methods*. Charlotte, NC: Information Age Publishing.
- Thompson, A. & Radosavljevic, A. (2015). Maximizing Algebra Access through Conversational Lecture and Tablet Technology. In A. Bright, H. Hansen-Thomas, & L. de Oliveira (Eds.), *The Common Core State Standards in Mathematics for English Language Learners: Grades 6-12*. New York: TESOL.
- Thompson, A. & Radosavljevic, A. (2014). Fostering Mathematical Discourse with Socratic Seminars. In M. Civil & E. Turner (Eds.), *The Common Core State Standards in Mathematics for English Language Learners: Grades K-8*. New York: TESOL, 81-94.
- Radosavljevic, A. & Thompson, A. (2013). *Mathematical Socialization through Game Activity: Common Core Standards for Mathematical Practice in an After-school club*. Proceedings of the 35<sup>th</sup> Annual North American Chapter of the Psychology of Mathematics Education Conference, Chicago, IL, 505-508.
- Thompson, A. (2012). *Teacher profiles and high school mathematics achievement: What do we know about the teachers of US Latino and ESL high school students?* Dissertation published by ProQuest.
- Thompson, A. (2012). *Using Large-Scale Assessment Data to Glean Teacher Characteristics that Predict Mathematics Achievement in Latinos/ESL*. Paper presented at the 36th Annual Psychology of Mathematics Education Conference, Taipei, Taiwan.
- Lin, Y.-C., Thompson, A., Kung, J.-T., Chieh, L.-W., Chou, S.-W., & Lin, J.-C. (2010). Functional isokinetic strength ratios in baseball players with injured elbows. *Journal of Sport Rehabilitation*, 19, 21-29.

### **Other Creative Works**

- Thompson, A. (2016). Program Report for the Preparation of Secondary Mathematics Teachers, National Council of Teachers of Mathematics, Bachelor of Arts Mathematics Teacher Education.
- Thompson, A. (2016). Program Report for the Preparation of Secondary Mathematics Teachers, National Council of Teachers of Mathematics, Post-Baccalaureate.
- Watters, M. & Thompson, A. (2016). *A Better Start: A Proposal to Revise the Governors State Early Start Workbooks*. Proposal dated March 4, 2016.
- Thompson, A. (2012). *Safe Spaces at GSU*. Proposal dated October 15, 2012 and updated January 14, 2014.
- Thompson, A. (2012). *Highly Effective Mathematics Instruction with Technology*. Proposal dated September 20, 2012.

### **Professional Development Leader:**

- 3/12-13/2015 **Getting Connected with edTPA** Invited one of the original edTPA designers to come go GSU for a 2-day facilitated workshop to assist faculty, preservice teachers, coordinators, and supervisors understand the origins of edTPA and how to prepare for success on edTPA. Co-presented the workshop on 3/13.
- 6/4/2014 **Redesigning a Midterm Exam using Universal Design**. Co-Presented at the 2014 GSU Faculty Summer Institute with GSU alum: Ty Acosta, Andrea Johnson, Tim Smith.
- 6/4/2014 **How to analyze (and code) classroom video data like a qualitative researcher**. Co-Presented at the 2014 GSU Faculty Summer Institute with GSU alum: Ty Acosta, Andrea Johnson, Tim Smith.
- 3/13/2014 **Isn't it Time to Use Universal Design?** Workshop co-presented to GSU faculty March 13, 2014.
- 5/2013, 10/2013, 11/2013 **Content Reading and Discourse for English Learners Using Socratic Seminar**. Authored and facilitated this 3-hour professional development for secondary teachers by invitation at Plano, IL district #88 and two Chicago Public Schools middle schools.
- August 2013 to present: **Social Justice and Equity in Education**. Authored and facilitated this 90-minute professional development every semester for GSU preservice secondary teachers.
- August 2012 to 2014: **Help! I have English learners and bilingual students! What should I do?** Authored and facilitated this 90-minute professional development every semester for GSU preservice secondary teachers. It is now a part of a course I designed.
- October 2013: **edTPA academic language and video analysis**. Planned, designed, and facilitated this all day workshop (9am to 4pm) to assist students in compressing video, reflecting on teaching, and organizing their performance assessment for GSU preservice secondary teachers.

- 5/2011 **Leadership for the Future of the Mathematics Education of Latin@s**, participant and presenter in a professional leadership development for CEMELA Fellows, PIs, and guests at UNC, Charlotte, NC.
- 5/2009, 9/2009 **Math Games** Led K-2 teachers in educational math games as a part of MBAMP (Monterrey Bay Area Math Program) Professional Development. Santa Cruz, CA.
- 10/2007-12/2008 **Using Video as a Forum for Reflection on Academic Language in Mathematics Instruction**. Designed and conducted this two-year professional development series for local elementary school teachers of ELLs. UCSC, Santa Cruz, CA.

### **Professional Development Participant:**

- 8/2016 *Annual Nепantla Teachers Mini Conference*, DePaul University.
- 4/2016, 5/2016, 6/2016 Maker Lab 3 hour workshop: *Using Fusion 360*, Richton Park, IL
- 3/2016 *edTPA Results Analyzer Training*, University of St. Francis
- 2/2016 TODOS Webinar: *Our Questions and Their Discourse are the Keys to Their Engagement and Learning*, by Steve Leinwand
- 1/2016 *Special Education edTPA: Lessons Learned* webinar by Dr. John Snakenborg
- 12/2015 *CAEP webinar: Annual report for mathematics education*
- 11/2015 *Metropolitan Mathematics Club of Chicago* featuring Dr. Rochelle Gutierrez
- 10/2015 *Implementing Social and Emotional Learning to Improve Student Achievement*
- 10/2015 *Scholarly Inquiry and Practices Conference* for mathematics education methods. Funded by a National Science Foundation grant, this invitation-only meeting resulted in an edited book which will be available in early 2017.
- 9/2015 *Transforming Post-Secondary Education in Mathematics* annual meeting, by invitation only
- 4/2015 *Safe Zones* Implementer and participant, GSU
- 4/2014 *Restorative Justice Drive-In Conference* Participant, GSU.
- 1/2014 *Cultural Competence in working with LGBTQ Youth*. Participant, Chicago.
- 12/2013 edTPA official Pearson scoring. Online participant.
- 8/2013 *How to Learn Math* by Jo Boaler. Stanford online course completed.
- 5/2013 *Best Practices in Co-Teaching with Marilyn Friend*. Participant, Chicago.
- 1/2013 *Formative Assessment in the age of Common Core: What can we learn from SBAC and PARCC?* Online participant.
- 7/2004, 7/2005 *Advancement Via Individual Determination* Trained to lead an AVID program at Northbrook High School and to teach the curriculum of AVID. Oakland, CA.

### **Selected Conference Presentations:**

- Hale, M. & Thompson, A. (2016). *How to Create your own Khan Academy Style Video Library or your Classes*. Presented at the annual Metropolitan Mathematics Club of Chicago Conference, New Lenox, IL, February 6.
- Thompson, A. (2016). *Exploring Universal Design on Mathematics Exams with Writing Prompts*. Presented at the National Council of Teachers of Mathematics National meeting, San Francisco, April 15.
- Thompson, A., & Hale, M. (2016). *All Students Learn through Reflective Writing... On Exams*. Presented at the California Mathematics Council North, Asilomar, CA, December 1.
- Thompson, A. & Johnson, A. (2016). Writing prompts on mathematics exams to promote Universal Design. Presenting at the biennial TODOS: Mathematics for all conference, Phoenix, June 24.
- Thompson, A., Hale, M., & King, M. (2016). *Champions of edTPA: A discussion between faculty and edTPA graduates*. Presented at the annual Illinois Teacher Performance Assessment Consortium, Normal, IL, September 16.
- Thompson, A., Hale, M.; King, M., & Watters, M. (2016). *Co-Teaching Gen-Ed Mathematics Courses with Preservice Teachers*. Presented at the bi-annual Chicago Symposium Series, Chicago, IL, March 19.
- Thompson, A. (2015). *Mathematics Reading and Discourse Strategies for ELLs that work*. Presented at the National Council of Teachers of Mathematics Annual Meeting, Boston, April 17.
- Thompson, A. (2015). *Social Justice and Equity in Education: A discussion with Preservice Teachers*. Invited poster presented at the Scholarly Inquiry and Practices Conference for Mathematics Education Methods, Atlanta, October 1.
- Thompson, A., Johnson, A., & Smith, T. (2015). *Co-Teaching with your Preservice Teachers: A win, win, win*. Presented at the Annual Conference for the Advancement of Mathematics Teaching, Houston, June 25.
- Thompson, A. (2014). *Tablet PC as a learning tool for ELLs and struggling students*. Presented at the Chicago Symposium Series, Chicago, February 28.
- Thompson, A. (2014). *Tablet PC: Superior technology for ELLs and struggling students*. Presented at the National Council of Teachers of Mathematics Annual Meeting, New Orleans, April 10.
- Thompson, A. (2014). *Using a tablet to enhance learning for ELLs and struggling students*. Presented at the TODOS 2014 Beyond Awareness ~ Equity, Access and Achievement for ALL conference, Phoenix, June 27.
- Thompson, A. (2014). *Using a tablet to enhance learning for ELLs and struggling students*. Presented at the National Council of Teachers of Mathematics Regional meeting, Indianapolis, October 31.
- Willey, C., & Thompson, A. (2014). *Exploring Practices that Support the Common Core State Standards in Mathematics with English Language Learners*. Presented at the TODOS

- 2014 Beyond Awareness ~ Equity, Access and Achievement for ALL conference, Phoenix, June 27.
- Radosavljevic, A. & Thompson, A. (2013). *Mathematical Socialization through Game Activity: Common Core Standards for Mathematical Practice in an After-school club*. Presented at the 35<sup>th</sup> Annual North American Chapter of the Psychology of Mathematics Education Conference, Kalamazoo, MI.
- Thompson, A. (2013). *What is a high-quality mathematics or science teacher?* Presentation at the Chicago Symposium Series, Chicago, IL.
- Thompson, A. (2013). *Using Socratic seminar to foster mathematics discourse for English language learners*. Professional development workshop facilitated for Plano School District #88.
- Thompson, A., & Radosavljevic, A. (2013). *Algebra Reasoning, Common Core Standards, and English Language Learners: Analyzing Motion Graphs*. Presentation at the National Council of Teachers of Mathematics Annual Meeting, Denver, CO.
- Thompson, A. (2012). *Exploring teacher profiles and secondary mathematics achievement of Latino/ELL students*. Paper presented at the American Educational Research Association, Vancouver, BC.
- Thompson, A. (2012). *Teacher profiles and high school mathematics achievement: What do we know about the teachers of US Latino and ESL high school students?* Paper to be presented at the 12th International Congress of Mathematical Education, Seoul, Korea.
- Thompson, A. (2012). *Using Large-Scale Assessment Data to Glean Teacher Characteristics that Predict Mathematics Achievement in Latinos/ESL*. Presentation at the 36th Annual Psychology of Mathematics Education Conference, Taipei, Taiwan.
- Thompson, A. (2012). *Mathematics discourse for English learners using Socratic seminar*. Presentation at the Metropolitan Mathematics Club of Chicago, Chicago, IL.
- Thompson, A., & Radosavljevic, A. (2012). *Your Contributions to Equity in STEM Education*. Presented at the Chicago Symposium Series, Evanston, IL.
- Thompson, A., Lopez Leiva, C., Radosavljevic, A., & Willey, C. (2011). *Mathematics education, language, and Latinos/as: Prospects for the future*. Presented at the Chicago Symposium Series, Chicago, IL.
- Thompson, A. (2010). *Mathematics discourse for English learners using Socratic seminar*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting, San Diego, CA.
- Thompson, A., & Tellez, K. (2010). *Shaping the concept of academic language: A case study of five exemplary beginning teachers*. Paper presented at the American Educational Research Association, Denver, CO.
- Thompson, A. (2009). *Research using video as a metacognitive professional development forum for teachers*. Paper presented at the annual symposium of the Center for Mathematics Education of Latinos/as, Albuquerque, NM.

- Thompson, A. (2009). *Using Socratic seminar to foster mathematics discourse for English language learners*. Presented at the California Mathematics Council South, Palm Springs, CA.
- Thompson, A. (2009). *Using Socratic seminar to foster mathematics discourse for English language learners*. Presented at the California Mathematics Council North, Asilomar, CA.
- Thompson, A. (2009). *Using video as a metacognitive professional development forum for teachers*. Paper presented at the California Lesson Study, Asilomar, CA.
- Thompson, A. (2008). *Using video technology to provide a professional development forum for reflection on the use of academic language for mathematics in elementary school teachers* Paper presented at the California Mathematics Council North, Asilomar, CA.
- Tellez, K., & Thompson, A. (2007). *Video equipment demonstration for use in PACT*. Paper presented at the 1st Annual PACT Meeting, Santa Barbara, CA.
- Thompson, A. (2005). *An historical account of ethics in biomedical technology*. Paper presented at the Biomedical and Ethics Symposium, Taipei, Taiwan.
- Thompson, A. (2002). *Using CBRs and CBLs in algebra instruction for ELLs*. Paper presented at the Conoco/Philips Summer Technology Conference, Houston, TX.

### **Courses Taught:**

MATH0999 Early Start Mathematics  
 MATH1423 College Algebra  
 MATH2100 Elementary Statistics  
 MATH2281 Applied Calculus  
 EDUC4470 Independent Study  
 MATH4700 Independent Study  
 CPSC8700 Independent Study  
 EDUC4360/6360 Principles of Secondary Mathematics Education  
 EDUC4370/6370 Teaching Secondary School Mathematics  
 EDUC4999 Student Teaching (Supervisor)  
 MATH4080/6080 Critical Issues in Mathematics Education  
 ENGL4080/6080 Special Topics in Secondary Education  
 BIOL4000/6000 Pedagogy for Diverse Students

### **Courses Developed**

I have made extensive and continuous revisions and curriculum development for EDUC4370/6370, MATH4080/6080, ENGL4080/6080, BIOL4000/6000 and EDUC4999 based



on changing national and state required standards in secondary mathematics education and for CAEP, our accreditation affiliate. I proposed, authored, and designed courses MATH4080/6080, ENGL4080/6080, and BIOL4000/6000 to meet increased secondary requirements in content area reading, second language education, and socio-emotional learning in the state of Illinois.

## **PROFESSIONAL ACTIVITIES**

Elected Board Member of TODOS: Mathematics for All February 2014-April 2017

### **Member of the following committees:**

- Smarter Balanced Assessment Consortium, invited as an ELL expert (Oct 2016)
- Summer Bridge Committee (GSU 2013 to 2015)
- Peer Tutoring Working Group (GSU 2013)
- Secondary Education Committee (GSU 2012 to present)
- Secondary Education Student Progress Committee (GSU 2012 to present)
- Division Criteria Committee (GSU 2012)
- Mathematics job search committee (GSU, 2013 and 2014)
- Advisor, Gay Straight Alliance (GSU 2013-2014)
- Planning Committee: TODOS 2014 Beyond Awareness Conference
- Planning Committee: TODOS 2016 Ensuring Equity and Excellence in Mathematics for ALL
- Planning Committee: Chicago Symposium Series (2013 to present)
- STEM Initiative Committee, Chicago Area Boy Scouts of America (2014 to present)
- COE Chair job search committee (GSU, 2014-2015; 2016-present)

### **Journal Reviewer**

International Journal of Mathematics Education (since 2012)

Teaching for Excellence and Equity in Mathematics (since 2012)

### **Planning and implementation of the following GSU events:**

- Implemented Supplementary Instruction with the GSU Academic Resource Center(2013 to present)
- Planning for Early-Start mathematics and English courses for incoming freshmen (2013)
- Illinois Unites for Marriage campaign (2013)
- The History of Marriage Equality (LBGTQ History Month 2014)

- Closet Door Program (GSA 2012)
- LGBT Art Display and Event (GSA 2012)
- Hate Crimes Awareness (GSA 2012)
- LGBT film screening: *Gen Silent* (GSA 2012)
- Out in the Workplace (GSA 2012)
- International Education Week LGBTQ Table (GSA 2012)
- Safe Zones Training (2013-2014)
- Getting Connected with edTPA (COE 2015)

**Professional Certifications:**

- 2003-present Texas Secondary teaching certificate for mathematics and psychology
- 2003-2006 Taiwan post-secondary renewable teaching license

**Awards and Honors:**

- 2006-2011 Graduate Research Fellowship, CEMELA, University of California
- 1998-2000 Annenberg Fellow, University of Houston

**Professional Organizations:**

- 8/2006 to present: CEMELA The Center for the Mathematics Education of Latinos/as
- 6/2007 to present: TODOS: Mathematics for All
- 10/2007 to present: PME: The Psychology of Mathematics Education
- 1/2008 to present: NCTM: National Council for Teachers of Mathematics
- 8/2008 to present: AERA: American Educational Research Association
- 5/2008 to present: CMC California Math Council
- 10/2011 to present: ICME: The International Congress on Mathematics Education
- 6/2012 to present: MAA: The Mathematical Association of America
- 1/2014 to present: AMTE: Association of Mathematics Teacher Educators
- 1/2014 to present: RUME: Research in undergraduate Mathematics Education
- 5/2014 to present: The Benjamin Banneker Association
- 5/2014 to present: TESOL Teachers of English to Speakers of other languages

**Languages:**

- Mandarin (conversational)