

## **Xiaobo She**

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### **Education**

- Ph. D. Curriculum and Instruction, Texas Tech University, 2011  
Emphasis: Mathematics Education
- M.A. Curriculum and Instruction, Texas Tech University, 2006  
Emphasis: Mathematics Education at Elementary Levels
- B.S. Chemistry, Sichuan University, China 2002

### **Teaching Certification**

*Texas State Teacher Certificate – Mathematics (Grades 4-8)*  
*Texas State Teacher Certificate – Mathematics (Grades 9-12)*  
*Kentucky State Teacher Certificate – Mathematics Content (Grades 9-12)*

### **Professional Appointments**

- **Associate Professor** (2018 fall – present)  
Division of Education, College of Education, Governors State University
  - EDUC 8999 Culminating Experience
  - EMED 4400 Field Experience II
  - EMED 4405 Teaching Mathematics in Elementary Grades
  - EMED 4425 Profession Development Seminar III
  - EMED 4457/6457 Teaching Mathematics in Middle Grades
  - MATH 2131 Mathematical Structures and Concepts I
  - MATH 2141 Mathematical Structures and Concepts II
  - MATH 3155/6155 Number Theory for Teachers
- **Assistant Professor** (2012 fall – 2018 spring)  
Division of Education, College of Education, Governors State University
  - EMED 4405 Teaching Mathematics in Elementary Grades
  - EMED 4402 Field Experience II
  - EMED 4425 Profession Development Seminar III
  - EDCP 7320 Educational Applications of the Microcomputer Mathematics
  - MATH 2131 Mathematical Structures and Concepts I
  - MATH 2141 Mathematical Structures and Concepts II
  - LAS 4127 Investigations in Mathematics Thought

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ESMA 0999	SI in Math for Early Start
MATH 3155	Number Theory for Teachers
MATH 6155	Number Theory for Teachers

- **High School Mathematics Teacher** (2011 – 2012)  
Shelby County High School, Shelbyville, KY  
Taught Algebra II and AP Statistics courses
- **University Part-Time Instructor/Teaching Fellow** (2010 – 2011)  
Division of Curriculum and Instruction, College of Education, Texas Tech University  
Taught EDEL 4370 Elementary Mathematics Teaching Methods  
Co-taught EDSE 4311 Curriculum Planning, Development, and Evaluation &  
EDSE 4320 Instructional Methods
- **University Course Supervisor** (2010 – 2011)  
College of Education, Texas Tech University, Lubbock, TX  
Supervised student field-based experience for courses **EDEL 4370, EDEL 4311/4320**
- **Research Assistant** (2008 – 2010)  
College of Education, Texas Tech University, Lubbock, TX  
Research Assistant for the MS<sup>2</sup> program (2009 – 2010)  
Research Assistant for the GK-12 program (2008 – 2009)
- **Graduate Assistant** (2006 – 2008, 2010 - 2011)  
College of Education, Texas Tech University, Lubbock, TX

### **Other Public School Related Experiences**

- **Secondary-level Mathematics Instructor** for Upper Bound program (2011 summer)
- **Student Teaching at Middle School Level** (2007 fall – 2008 spring)  
Irons Middle School, Lubbock ISD, TX
- **Volunteer Tutor** (2006 - 2008, 2009 - 2010)  
O. L. Slaton Middle School, Lubbock, TX  
Cavazos Middle School, Lubbock, TX

### **Scholarly Activities**

## Funded Grants

- \$100,000 – **She, X. (PI)**, Patterson, J. (Co-PI), Timothy Harrington (Co-PI). (2019-2020). *Enhancing Elementary Teachers' Teaching Efficacy Through a Mathematics Specialist Program*. CME Group Foundation.
- \$200,000 – **She, X. (PI)**, Chang, L. (Co-PI). (2017-2019). *Promoting K-3 Mathematics Instructional Effectiveness: A Content-Based, Evidence-Driven Professional Development Program Aligned with CCSS-M*. CME Group Foundation.
- \$170,000 – **She, X. (PI)**, Jiles, T. (PI). (2014-2017). *Multi-year Professional Development Trainings: Early Math Awareness through Modeling*. CME Group Foundation.
- \$4,975 – Lopez, S. (PI), **She, X. (Co-PI)**, (2014-2015). *Interdisciplinary Project: Impacting Teacher Motivation to Improve Student Success in Mathematics*. Governor State University.
- \$15,000 – **She, X. (PI)**, Jiles, T. (PI), Chang, L., & Cross, L. (2013-2014). *One-year Pilot Project EMAM: Early Math Awareness through Modeling*. CME Group Foundation.
- \$500 – **She, X. (PI)**, Gutierrez, E. J., & Morrison, C. (2012-2013). *Promoting an Effective Mathematics Education for 3- to 6-year-old Children*. College of Education, GSU.

## Unfunded Grant

- \$377,561 – **She, X. (PI)**, Chang, L. (Co-PI), & Wilhelm, J. (Co-PI). (2016). *Collaborative Research: Promoting K-5 Mathematics Instructional Effectiveness: A Content-Based, Evidence-Driven Professional Development Program Aligned with CCSS-M*. National Science Foundation.

## Refereed Publications

- She, X.**, & Harrington, T. (2022). Teaching word-problem solving through tape diagrams. *Mathematics Teacher: Learning and Teaching Pre-K-12*, 115(3), 170-182. DOI: <https://doi.org/10.5951/MTLT.2021.0088>
- She, X.**, Harrington, T., Rasher, S., & Rasher, S. (2021). Investigating the effectiveness of an intensive professional development program in math education. *Journal of Education & Social Policy*, 8(3), 1-12. DOI: 10.30845/jesp.v8n3p1
- She, X.**, Matteson, S., Siwatu, K. O., & Wilhelm, J. (2014). Exploring preservice teachers' conceptual understanding of algebraic ideas: Linear function and slope. *International Journal of Education and Social Science*, 1(5), 90-101.

- Wilhelm, J., Matteson, S., & **She, X** (2013). Investigating preservice teachers' understanding of balance concepts utilizing a clinical interview method and a virtual tool. *International Journal of Science and Mathematics Education*, 11(5), 1209-1231.
- She, X.**, Lan, W. Y., & Wilhelm, J. (2011). A comparative study on pedagogical content knowledge of mathematics teachers in China and the U.S. *Journal of New Waves-Educational Research & Development*, 35-49.
- James, V., **She, X.**, Wilhelm, J., & Casadonte, D. (2011). Dominant factors of self-efficacy and motivation of low performing minority high school students. *National FORUM of Special Education Journal*, 8(2), p. 6-20.
- Wilhelm, J., **She, X.**, & Morrison, D. C. (2011). Differences in math and science understanding between NSF GK-12 participant groups: A year-long study. *Journal of STEM Education*, 12(1&2), 25-38.
- Wilhelm, J., Matteson, S., & **She, X.** (2010). Assessing how pre-service teachers understand balance through clinical interviews and virtual tool. To appear in the Conference Proceedings of the Thirty-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA – Columbus, Ohio).
- She, X.**, Wilhelm, J., & Clem, D. (2009). Interdisciplinary institutes as facilitators for the development of a GK-12 program. *Conference Proceedings of the annual meeting of the National Association of Research in Science Teaching* (NARST). – Garden Grove, CA.
- Dan, Y., **She, X.**, & Lan, W. Y. (2009). A comparative study of history interests between American and Chinese college students. *U.S.-China Education Review*, 6(12), 59-66.
- Clem, D., **She, X.**, & Wilhelm, J. (2009). Experiencing integration: Changes in one NSF GK-12 “Building Bridges” cohort. *Conference Proceedings of the annual meeting of the National Association of Research in Science Teaching* (NARST). – Garden Grove, CA.
- Wilhelm, J., Clem, D., & **She, X.** (2009). Graduate fellows and secondary teachers participate as learners in interdisciplinary institutes and classroom experiences. *Conference Proceedings of the annual meeting of the National Association of Research in Science Teaching* (NARST) – Garden Grove, CA.

## Workshops/Grant Presentations

- Chang, L., & She, X. (August, 2019 – January, 2020). *Professional Development Trainings: Promoting 4-8 grades Mathematics Instructional Effectiveness* (monthly trainings, Posen Robbins SD, IL).
- She, X., & Chang, L. (July, 2017 – May, 2019). *Professional Development Trainings: Promoting K-3 Mathematics Instructional Effectiveness* (monthly trainings).
- She, X. (2017). PMIE Project annual report: Promoting K-3 Mathematics Instructional Effectiveness. *Report presented at the Early Math Initiative Grantee Conference* (CME Group Foundation).
- She, X. (2015, 2016, 2017). EMAM Project annual report. *Report presented at the Annual Early Childhood Initiative Conference* (CME Group Foundation).
- She, X. (2013, 2014, & 2015). Singapore Math: How to use bar graphs to help students solve word problems at elementary school levels. *Workshop presented at the Annual conference of the Metropolitan Mathematics Club of Chicago* (MMC).
- She, X., & Jiles, T. (September, 2013 – May, 2015). *Professional Development Trainings: Early Math Awareness through Modeling* (monthly trainings).
- She, X. (2012). The relationship between high school students' mathematical achievement and computational fluency. *Paper presented at the Inaugural Rapid Fire Research Event* (Governors State University, Illinois).

## International, National, and Regional Conference Presentations

- She, X. (2020, April 17 - 21) *Investigating How a Yearlong, Content-Based Professional Development Program Impacts Teachers' Teaching Efficacy and Student Achievement* [Paper Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/tjjqa96> (Conference Canceled)
- She, X. (March, 2018). Teaching measurement to young learners. *Workshop presented at the 22<sup>nd</sup> Annual "Limit is the Sky" Mini Conference held by Joliet Area Association for the Education of Young Children* (JAAEYC).
- She, X. (2016). Using bar models to teach word problem solving at the elementary school levels. *Workshop accepted for the Annual conference held by the Illinois Council of Teachers of Mathematics* [ICTM].
- She, X. (2016). Teaching geometric concepts to young learners. *Workshop presented at the 20<sup>th</sup> Annual "Limit is the Sky" Mini Conference held by Joliet Area Association for the Education of Young Children* (JAAEYC).

- She, X., & Jiles, T.** (2014). Impact of a professional development model to enhance Head Start teachers' math awareness & teaching efficacy. *Paper presented at the 12<sup>th</sup> Annual Focus on Illinois Education Research Symposium (FIERS)* – Bloomington, IL.
- Dan, Y., & **She, X.** (2013). Development and Evaluation of History Inventory for K-12 Students. *Paper presented at the Annual meeting of the American Education Research Association (AERA)* – San Francisco, CA.
- She, X., Matteson, S., Siwatu, & Wilhelm, J.** (2012). Exploring the effectiveness of interventions designed to deepen preservice teachers' conceptual understanding: mixed methods study. *Paper presented at the Annual meeting of the American Educational Research Association (AERA)* – Vancouver, Canada.
- Wilhelm, J., Matteson, S., & **She, X.** (2010). Understanding how pre-service teachers think about balance through clinical interviews and a virtual tool. *Paper presented at the 4<sup>th</sup> Annual International Conference on Mathematics & Statistics* – Athens, Greece.
- She, X., Lan, W. Y., & Wilhelm, J.** (2010). A comparative study on pedagogical content knowledge of mathematics teachers in china and the U.S. *Paper presented at the Annual meeting of the American Educational Research Association (AERA)* – Denver, CO.
- Valles, J., **She, X.,** and Wilhelm, J. (2010). How self-beliefs influence minority students' success in high school: A mixed methods study. *Texas National Association of Multicultural Education, University of North Texas, Denton, Texas.*
- Clem, D., **She, X., & Wilhelm, J.** (2010). Changes experienced during year one of an NSF GK-12 program: A mixed methods study. *Paper presented at the Annual meeting of the American Educational Research Association (AERA)* – Denver, CO.
- Dan, Y., Lan, W. Y., & **She, X.** (2010). Development and evaluation of the history interest inventory (college students). *Paper presented at the Annual meeting of the American Educational Research Association (AERA).* – Denver, CO.
- She, X., Lan, W. Y., & Wilhelm, J.** (2010). A comparative study on pedagogical content knowledge of mathematics teachers in China and the U.S. *Paper Presented at the Annual meeting of the Southwest Educational Research Association (SERA)* – New Orleans, LA.
- She, X., Wilhelm, J., & Clem, D.** (2009). Interdisciplinary institutes as facilitators for the development of a GK-12 program. *Paper presented at the annual meeting*

*of the National Association of Research in Science Teaching (NARST) – Garden Grove, CA.*

Clem, D., **She, X.**, & Wilhelm, J. (2009). Experiencing integration: Changes in one NSF GK-12 “Building Bridges” cohort. *Paper presented at the annual meeting of the American Education Research Association (AERA) – San Diego, CA.*

Wilhelm, J., Clem, D., & **She, X.** (2009). Graduate fellows and secondary teachers participate as learners in interdisciplinary institutes and classroom experiences. *Paper presented at the annual meeting of the American Education Research Association (AERA) – San Diego, CA.*

Ganesh, B., & **She, X.** (2009). The perceptions of high school mathematics teachers about the use of technology in the teaching. Paper presented at the 6<sup>th</sup> annual research conference of Texas Tech University College of Education, Lubbock, TX.

### **Professional Memberships**

- Kappa Delta Pi: International Honor Society in Education (KDP)
- National Council of Teachers of Mathematics (NCTM)
- American Educational Research Association (AERA)
- National Council of Superiors of Mathematics (NCSM)
- American Association of Colleges for Teacher Education (AACTE)

### **Honors and Awards**

- Reviewer for the Journal of Mathematics Teachers: Learning and Teaching Pre-K-12 (2021-present)
- Reviewer for the International Journal of Education in Mathematics, Science and Technology (IJEMST) (2016)
- Reviewer for American Educational Research Association 2016 Conference (2015)
- Reviewer for American Educational Research Association 2014 Conference (2013)
- Recipient of Teaching Award for AP Statistics Course (2012)
- Recipient of Summer Dissertation/Thesis Research Award (2011)
- Reviewing papers for SERA Conference (2009)
- Recipient of Dean’s Scholarship, Texas Tech University (2007)
- Discussion Presider for Division K at AERA Conference (2006)
- Recipient of Outstanding Service for Kappa Delta Pi Society, Texas Tech University chapter (2006)

### **Professional Training Certification**

*AP Statistics Summer Workshop (Texas A&M University) (2011)*  
*AdvanceKentucky Mathematics Content-Focused Training for AP teachers (2011)*  
*Certificate for Excellence in Mathematics Content Knowledge (Secondary Level) (ETS, 2012)*

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*NCTM Regional Conference & Exposition, Chicago (2012)*  
*Getting Started in the Scholarship of Teaching and Learning Workshop (2013)*  
*Scholarship of Teaching and Learning (SoTL) Workshop (2013)*  
*STEM Teaching Methods That Work On-line Workshop (2013)*  
*Concept Paper Workshop – Pitching your research Ideas (2013)*  
*Metropolitan Institution for Leadership in Education Seminars (2013)*  
*Training: Danielson’s 2011 Framework for Teaching Evaluation Instrument (2013)*  
*Training for Social and Behavioral Responsible Conduct of Research (2013)*  
*Training for Conflict of Interest (2014)*  
*Training for Social/Behavioral Research (2013, 2015)*  
*EdTPA Training (2014)*  
*GateWays Registry Trainer’s Training (2015)*  
*Collaborative Institutional Training Initiative (CITI Human Subject Research Training) (2015)*  
*EdTPA Training (2015)*  
*Math CEIP Training (2015)*  
*E-Portfolios: Scaling up Assessment (2015)*  
*IRB Workshop: Change is Coming GSU (2017)*  
*Programming Content Math Activities using AppLab from Code.org (2018)*  
*NIH Grant Training (2018)*  
*Quality Matters - Independent Designing Your Online Course (DYOC) Workshop (2021)*  
*Educator Disposition Assessment Calibration Training (2022)*