

## Xiaobo She

Governors State University  
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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

#### Full Professor (Fall 2022 – Present)

Division of Education and Leadership, College of Education and Human Development,  
*Governors State University*

EMED 4999	Field Experience III: Student Teaching
EMED 4400	Field Experience II
EMED 4405	Teaching Mathematics in Elementary Grades
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

#### Associate Professor (Fall 2018 – Spring 2022)

Division of Education and Leadership, College of Education and Human Development,  
*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** (Fall 2012 – Spring 2018)

Division of Education and Leadership, College of Education and Human Development,  
*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
ESMA 0999	SI in Math for Early Start
MATH 3155	Number Theory for Teachers
MATH 6155	Number Theory for Teachers

**High School Mathematics Teacher** (Fall 2011 – Spring 2012)

*Shelby County High School, Shelbyville, KY*

Taught Algebra II and AP Statistics courses

**University Part-Time Instructor/Teaching Fellow** (Fall 2010 – Spring 2011)

*Texas Tech University, Division of Curriculum and Instruction, College of Education*

Taught EDEL 4370 Elementary Mathematics Teaching Methods

Co-taught EDSE 4311 Curriculum Planning, Development, and Evaluation &

EDSE 4320 Instructional Methods

**University Course Supervisor** (Fall 2010 – Spring 2011)

*Texas Tech University, College of Education*

Supervised student field-based experience for courses **EDEL 4370, EDEL 4311/4320**

**Research Assistant** (Fall 2008 – Spring 2010)

*Texas Tech University, College of Education*

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)

*Texas Tech University, College of Education*

**Other Public School Related Experiences**

- Secondary-level Mathematics Instructor, Upper Bound Program (Summer 2011)

- Student Teaching, Irons Middle School, Lubbock ISD, TX (Fall 2007 fall – Spring 2008)
- Volunteer Tutor, O. L. Slaton Middle School, Cavazos Middle School, Lubbock, TX (2006 - 2008, 2009 - 2010)

## 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.

### Refereed Publications

- She, X., Postelnicu, V., Tamulis, A., & Tweddle, C. (2026). Exploring how digital and physical tools differently influence preservice teachers' understanding of rotation concepts. *International Journal of Technology in Education and Science* (Manuscript Accepted).
- Postelnicu, V., She, X., Tamulis, A., Tweddle, J.C. (2026). Integrating computational thinking in undergraduate statistics projects: A comparative analysis. In A.P. Adiredja, B.P. Katz, K. Melhuish, & K. Gallagher (Eds.), *Proceedings of the 28th Annual Conference on Research in Undergraduate Mathematics Education* (pp. 1462–1463). Alexandria, VA.

- 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
- 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*, 14(1), 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), 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.*

### **International, National, and Local Conference Presentations**

Postelnicu, V., She, X., Tamulis, A., & Tweddle, C. (2026). *Reflection on two research studies in mathematics education through the lens of relational teaching in the age of AI* [Conference presentation]. 10th Annual GovState Research Days, University Park, IL, United States.

Postelnicu, V., She, X., Tamulis, A., Tweddle, J.C. (2026). *Integrating computational thinking in undergraduate statistics projects: A comparative analysis*. 28th Annual Conference on Research in Undergraduate Mathematics Education, Alexandria, VA, United States.

Lee, C.-Y., She, X., & Peng, L.-W. (2025). *Training pre-service teachers to use AI and QM principles in K-12 math instruction* [Conference presentation]. QM Connect Conference, Tucson, AZ, United States. (Accepted)

She, X. (2020) *Investigating How a Yearlong, Content-based Professional Development Program Impacts Teachers' Teaching Efficacy and Student Achievement* [Paper Session]. Annual Meeting of the American Education Research Association (AERA), San Francisco, CA, United States. <http://tinyurl.com/tjjqa96> (Virtual presentation)

She, X. (2018, March). *Teaching measurement to young learners*. [Workshop presented]. 22<sup>nd</sup> Annual “Limit is the Sky” Mini Conference, Joliet Area Association for the Education of Young Children (JAAEYC), Joliet, IL, United States.

She, X. (2016). *Using bar models to teach word problem solving at the elementary school levels* [Workshop presentation]. Annual Conference of the Illinois Council of Teachers of Mathematics [ICTM], Illinois, United States.

She, X. (2016). *Teaching geometric concepts to young learners* [Workshop presentation]. 20<sup>th</sup> Annual “Limit is the Sky” Mini Conference, Joliet Area Association for the Education of Young Children (JAAEYC), Joliet, IL, United States.

She, X., & Jiles, T. (2014). *Impact of a professional development model to enhance Head Start teachers' math awareness & teaching efficacy* [Paper presentation]. 12<sup>th</sup> Annual Focus on Illinois Education Research Symposium (FIERS), Bloomington, IL, United States.

Dan, Y., & She, X. (2013). *Development and Evaluation of History Inventory for K-12 Students* [Paper presentation]. Annual Meeting of the American Education Research Association (AERA), San Francisco, CA, United States.

- She, X., Matteson, S., Siwatu, & Wilhelm. J. (2012). *Exploring the effectiveness of interventions designed to deepen preservice teachers' conceptual understanding: mixed methods study*. 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*. 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 presentation]. Annual meeting of the American Educational Research Association (AERA) – Denver, CO, United States.
- Valles, J., She, X., and Wilhelm, J. (2010). *How self-beliefs influence minority students' success in high school: A mixed methods study* [Paper presentation]. 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 presentation]. Annual Meeting of the American Educational Research Association (AERA), Denver, CO, United States.
- Dan, Y., Lan, W. Y., & She, X. (2010). Development and evaluation of the history interest inventory (college students). Annual Meeting of the American Educational Research Association (AERA), Denver, CO, United States.
- She, X., Lan, W. Y., & Wilhelm, J. (2010). A comparative study on pedagogical content knowledge of mathematics teachers in China and the U.S. Annual Meeting of the American Educational Research Association (AERA), New Orleans, LA, United States.
- She, X., Wilhelm, J., & Clem, D. (2009). *Interdisciplinary institutes as facilitators for the development of a GK-12 program*. Annual Meeting of the National Association of Research in Science Teaching (NARST), Garden Grove, CA, United States.
- Clem, D., She, X., & Wilhelm, J. (2009). *Experiencing integration: Changes in one NSF GK-12 "Building Bridges" cohort* [Paper presentation]. Annual meeting of the American Education Research Association (AERA), San Diego, CA, United States.
- Wilhelm, J., Clem, D., & She, X. (2009). *Graduate fellows and secondary teachers participate as learners in interdisciplinary institutes and classroom experiences*. Annual Meeting of the American Education Research Association (AERA), San Diego, CA, United States.

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

### **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).

### **Unfunded Grant**

\$4,709 - Xiaobo She (PI), Cheun-Yeong Lee and Li-Wei Peng (Co-PIs). (2025). *Leveraging AI to equip preservice and in-service elementary teachers with effective teaching strategies that enhance student engagement and excellence in mathematics*.  
Governors State University.

\$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.

## 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)

## Service

<b>Type Program</b>	<b>Committee/Organization</b> <ul style="list-style-type: none"> <li>• Student Progress Committee</li> <li>• Providing EMED Math Content Review Sessions</li> <li>• Faculty Search Committee</li> <li>• Student Master's Thesis Committee</li> <li>• Student Comprehensive Exam Reviewer</li> </ul>
<b>Division</b>	<ul style="list-style-type: none"> <li>• Division Personnel Committee</li> <li>• Division Curriculum Committee</li> <li>• Student Grievance Committee</li> <li>• DPC Criteria Review Committee</li> </ul>
<b>University</b>	<ul style="list-style-type: none"> <li>• IRB Committee</li> <li>• Grant Writing Presenter</li> <li>• Technology Advisory Committee</li> <li>• General Education Committee</li> <li>• University Personnel Committee</li> <li>• Lincoln Laureate Selection Reviewer</li> <li>• Chinese Student Association Faculty Advisor</li> <li>• GSU Foundation Scholarship Reviewer</li> </ul>
<b>Professional</b>	<ul style="list-style-type: none"> <li>• Reviewer for <i>Mathematics Teacher: Learning and Teaching Pre-K-12</i></li> <li>• Reviewer for AERA</li> </ul>

## Honors and Awards

- Reviewer, *Mathematics Teachers: Learning and Teaching Pre-K-12* (2021-present)
- Reviewer, *International Journal of Education in Mathematics, Science and Technology* (IJEMST) (2016)
- Reviewer, *American Educational Research Association* (2009, 2013-15, 2025)
- Teaching Award for AP Statistics Course (2012)
- Summer Dissertation/Thesis Research Award (2011)
- Dean's Scholarship, Texas Tech University (2007)
- Discussion Presider for Division K at AERA Conference (2006)

- 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 Training for AP teachers (2011)  
Certificate for Excellence in Mathematics Content Knowledge, ETS (2012)  
NCTM Regional Conference & Exposition, Chicago (2012)  
Scholarship of Teaching and Learning Workshop (2013)  
Scholarship of Teaching and Learning (SoTL) Workshop (2013)  
STEM Teaching Methods Workshop (2013)  
Concept Paper Workshop – Pitching your research Ideas (2013)  
Metropolitan Institution for Leadership in Education Seminars (2013)  
Danielson’s 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)