

Xiaobo She

1 University Parkway,
University Park, IL 60484
(708) 534-4382
xshe@govst.edu

Education

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

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** (2022 Fall – Present)
 - 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** (2018 Fall – 2022 Spring)
 - 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
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 MS² 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
- 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 22nd 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 20th 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 12th 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 4th 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 6th 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)

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)