

CURRICULUM VITA

Sara Schwerdtfeger

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EDUCATION

- Kansas State University, Manhattan, KS May 2017
Curriculum and Instruction Ph.D.,
Mathematics Education
Dissertation: Elementary Preservice Teachers and Elementary Inservice Teachers
Knowledge of Mathematical Modeling
- Emporia State University, Emporia, KS May 2014
Building Leadership Endorsement
Educational Administration Masters Level Program
- Emporia State University, Emporia, KS May 2006
Master of Science Degree
Elementary Subject Matter
- Kansas State University, Manhattan, KS August 2001
English as a Second Language Endorsement
Concentration: 15 graduate hours of methods coursework, Language Linguistics, Language
Assessment and Practicum of Methods in Second Language Acquisition
- Emporia State University, Emporia, KS December 1998
Bachelor of Science in Education
Elementary K-9
Middle Level General Science Endorsement additional coursework including:
- Space science and lab
 - Chemistry and lab
 - Earth science and lab
 - Biology of animals and lab
 - Human sexuality and health education
 - Teaching science in secondary and middle levels
 - Student teaching in urban 8th grade general science classroom

Teaching License

Kansas State Board of Education Teaching License Effective 9/15/2017-8/8/2023
Building Level Administration PK-12

Teacher Leadership PK-12
Elementary K-9
General Science 5-9
English as a Second Language K-9

TEACHING

Teaching Experience

Emporia State University Fall 2014-Present
Undergraduate and Graduate Assistant Professor
Director of the Professional Development School
Graduate Advisor

- Supervise, observe and evaluate student teaching interns during Block 2 and Block 3 teaching experiences
- Advise graduate students in Instructional Specialist-STEM program
- Summer 2015 advisor for graduate students
- Undergraduate courses taught
 - EE311 Planning and Assessment
 - EE 316 Elementary Science Methods
 - EE317 Elementary Mathematics Methods
 - EE320 Observing Teaching and Learning Models
 - EL350 Mathematic Applications for the Elementary Classroom
 - EE315 Elementary Language Arts Methods
 - EE415 Foundations of Curriculum Development
 - EL312 Reading and Writing Connections
 - PE381 Health and PE for the Elementary Teacher
- Graduate Online Courses taught
 - EL 803 Best Practice in Elementary Science
 - EL 784 Trends in STEM Education
 - EL726 Elementary Engineering and Robotics

Emporia State University Fall 2013-Spring 2014
ED220 Introduction to Teaching-Adjunct Instructor

- Develop syllabus to ensure student objectives and outcomes were mastered
- Monitor students during tutoring experience in public education classrooms
- Facilitate weekly activities during class to promote student learning

USD 253, Emporia KS 1999-2014

Timmerman Elementary School 2009-2014
Teacher, 1st-3rd Grade Teacher

- Building Leadership Team
- District Lead Teacher for Mathematics
- Building Coordinator for Science Technology Reading Engineering Arts Mathematics (STREAM) grant
- District Curriculum and Instruction Council

- Academic Diversity Implementation Team
- USD 253 K-8 Reconfiguration Committee, Timmerman representative
- Title I School Integrated Improvement Plan
- Council on Teacher Education, Emporia State University
- Professional Learning Community member
- Supervised Student Teaching interns from Emporia State University
- Developed and maintained classroom website

Lowther North Intermediate School, 1999-2004, 2005-2009
 6th Grade Teacher
 Title I Reading Teacher

- Building Leadership Team representative
- Committee on Advanced Placement, Emporia State University
- Science, Social Studies, and Literacy Professional Learning Community Member
- Supervised Student Teaching Interns from Emporia State University
- Student Improvement Team
- Building representative for Emporia National Education Association
- Mentored first year teacher for district/state mentoring program
- NCA/QPA Literacy chair for Pittsburg Middle School

Riverside Elementary School 2004-2005
 1st Grade Teacher

- Student Improvement Team
- Supervised Student Teaching Interns, Emporia State University

USD 253 Summer School Teacher 2002-2012
 1st, 4th, 5th, 6th, 8th Grade Levels

- Developed science and social studies project-based summer school projects
- Developed literacy and math thematic units
- Instructed English as a Second Language (ESL) students in literacy and math

Personal Literacy and Math Tutor Summer 2011, 2014

- Tutored former students in math and literacy
- Developed personalized lessons for students
- Monitored growth in literacy and math concepts
- Communicated with student's teacher to monitor progress of student learning

SCHOLARSHIP

Publications

Hill, T., Lickteig, A., **Schwerdtfeger, S.** (in press, 2020). Field-Based Experiences in Teacher Preparation: From Private Schools to Paraguay. *School-University Partnerships*.

Jones, J., **Schwerdtfeger, S.**, Roop, T., and Long, J. (2016). Trailblazing partnerships: Professional development schools in partnership with Emporia State University. *School-University Partnerships*, 9(1), 7-10.

Morehead, M., Lyman, L., Foyle, H., **Schwerdtfeger, S.**, Lyman, A. (2017). *Working with student teachers: Getting and giving the best*. Lanham, Maryland: Rowman & Littlefield.

Schwerdtfeger, S., Hill, T., Metzger, S., & Waters, S. (2019). The generation gap: The transformation of obtaining, maintaining, and adjusting supervision skills. *PDS Partners*, 14(1), 1-6.

Schwerdtfeger, S. (in press, 2020). Reaching all learners with multicultural connections. In Evans-Santiago (Ed.), *Mistakes we have made: Implications for social justice educators*. Gorham, ME: Myers Education Press.

Schwerdtfeger, S. (in press, 2020). *STEM 3E: Math*. Teaching Free Enterprise, Koch Center, KS.

External Grants

Mathematics and Science Teaching Excellence in Rural Schools (MASTERS), Mathematics and Science Partnerships (MSP) Grant, \$194,605 grant monies awarded.

Emporia State University

Co-PI

Spring 2017-Summer 2018

- Improved elementary and middle school teachers' content knowledge in mathematics and science by providing professional development to teachers
- Created and maintained survey data from grant participants
- Integrated preservice teachers into professional development for inservice teachers
- Facilitated mathematics book studies for teachers

STEM Makes Academic Success Happen (SMASH), Improving Teacher Quality (ITQ) Grant, \$188,112 grant monies awarded

Emporia State University

Science/Mathematics Faculty

Summer 2015-Summer 2016

- Developed Next Generation Science Standards (NGSS) Engineering and Science Practices integration lessons
- Served as evaluator for current science teachers and evaluated teachers using the Revised Teacher Observation Protocol (R-TOP) through Spring 2016
- Facilitated STEM integration through educational lesson planning

Ethics to Future Leadership Summer Institute (EFLSI), Koch Center for Leadership and Ethics Grant, \$94,533 grant monies awarded

Emporia State University

Co-PI

Spring 2017-Summer 2018

- Facilitated summer training of high school juniors and seniors as well as college juniors and seniors in educational ethics and leadership
- Designed curriculum for participants

Internal Grants

Entrepreneurial Fellowship Spring 2019
 Emporia State University, Business School

- Competed for university wide fellowship to incorporate entrepreneurship into coursework
- Presented finding to panel of deans, Provost Cordle, and President Garrett

Katherine K White Incentive Grant Program Recipient Spring 2016
 Emporia State University

- Awarded \$1150 in STEM and robotics materials for science and math methods courses
- Materials used at ESU campus and at BEST campus

Katherine K White Incentive Grant Program Recipient Spring 2015
 Emporia State University

- Awarded \$2058 in STEM materials for science and math methods courses
- Materials used at ESU campus and at BEST campus

Koch Center Leadership and Ethics Teaching Grant Recipient Spring 2015
 Emporia State University Fall 2015
Spring 2016

- Awarded \$3000 each semester to implement grant ideals within undergraduate and graduate coursework
- Analyzed and reported results of research

Emporia Community Foundation Grant Recipient Spring 2013
 USD 253

- Developed and planned five week bat research project for 3rd graders
- Coordinated with Emporia State University and Westar Electric to provide real life experiences for students
- Integrated Next Generation Science Standards (NGSS) with English Language Arts standards for instruction
- Allocated \$650 of grant money and accurately kept records of appropriate spending of grant money

International/National Presentations

It's Better to be Absolutely Ridiculous than Absolutely Boring: The Fun Side of Accreditation. (2019, September). Session presented at Council for the Accreditation of Educator Preparation, Washington, D.C.

Presenters: Dr. Joan Brewer, **Dr. Sara Schwerdtfeger**, Dr. Tiffany Hill, Dr. Amanda Lickteig, Dr. Zeni Colorado, Dr. Sunnin Keosybounheuang. Emporia State University.

Using Aligned Clinical Assessments to Measure Candidate Growth: A Longitudinal Analysis. (2019, March). Session presented at Council for the Accreditation of Educator Preparation, Denver, CO.

Presenters: Dr. Joan Brewer, **Dr. Sara Schwerdtfeger**, Dr. Tiffany Hill, Dr. Amanda Lickteig, Dr. Sunnin Keosybounheuang, Andrea L'Ecleur. Emporia State University

CAEP and PDS Alignment. (2019, February). Session presented at National Association of Professional Development Schools (NAPDS), Jacksonville, FL.

Presenters: Dr. Tiffany Hill, **Dr. Sara Schwerdtfeger**.

What Do I Do with This Struggling Intern? (2019, February). Session presented at National Association of Professional Development Schools (NAPDS), Jacksonville, FL.

Presenters: Dr. Tiffany Hill, **Dr. Sara Schwerdtfeger**, Todd Roberts, Dr. Teddy Roop.

Mentor Teacher Training: Good, Better, Best. (2018, March). Session presented at National Association of Professional Development Schools (NAPDS). Atlanta, GA.

Presenters: **Dr. Sara Schwerdtfeger**, Todd Roberts.

The Generation Gap: The transformation of obtaining and revising supervision skills for PDS interns. (2018, March). Session presented at National Association of Professional Development Schools (NAPDS). Atlanta, GA.

Presenters: **Dr. Sara Schwerdtfeger**, Dr. Scott Waters, Stephanie Metzger

Incorporating Ethics and Economic Innovation into Elementary Science Classrooms. (2018, April). Association of Private Enterprise Education (APEE), Las Vegas, NV.

Presenters: **Dr. Sara Schwerdtfeger**, Dr. Matt Seimears, Dr. Derek Yonai, Kevin Johnson, Dr. Steven Lovett.

Ignite! (2018, June). EdReports. Minneapolis, MN.

Invited Speaker

Professional Relations of Teachers (PRT) Guidebook. (2015, March). National Association of Professional Development Schools (NAPDS), Atlanta, GA.

Presenters: Dr. Matt Seimears, **Dr. Sara Schwerdtfeger**, Jill Jones.

Developing a Memorandum of Understanding (MOU) with Professional Development Partnership schools. (2015, March). National Association of Professional Development Schools (NAPDS), Atlanta, GA.

Presenters: Dr. Matt Seimears, **Dr. Sara Schwerdtfeger**, Jill Jones.

How do Pig and Chicken Chores fit into a Professional Development School? (2015, March). National Association of Professional Development Schools (NAPDS), Atlanta, GA.

Presenters: Dr. Matt Seimears, **Dr. Sara Schwerdtfeger**, Jill Jones.

State/Regional Presentations

Regional Math Training. (2019, October). Kansas State Department of Education (KSDE), Emporia, KS.

Presenters: **Dr. Sara Schwerdtfeger**, Lynette Sharlow (KSDE).

Regional Math Training. (2019, October). Kansas State Department of Education (KSDE), Chanute, KS.

Presenters: **Dr. Sara Schwerdtfeger**, Linda Crabbs (KSDE).

Regional Math Training. (2018, November). Kansas State Department of Education (KSDE), Shawnee Mission, KS.

Presenters: **Dr. Sara Schwerdtfeger**, Dr. Debbie Thompson (KSDE).

Regional Math Training. (2018, October). Kansas State Department of Education (KSDE), Chanute, KS.

Presenters: **Dr. Sara Schwerdtfeger**, Linda Crabbs (KSDE).

Growing your Mindset with Number Talks. (2018, October). Kansas Association of Teachers of Mathematics (KATM), Manhattan, KS.

Robotics and Elementary Students. (2016, June). Kansas Exemplary Educators Network (KEEN). Hutchinson, KS.

Next Generation Science Standards (NGSS) Science and Engineering Practices to meet the needs of all Learners. (2015, July). Impact Institute. Wichita, KS.

Transition to e-Textbooks. (2015, October). E-textbook Summit. Emporia, KS.

Presenters: **Dr. Sara Schwerdtfeger**, Jill Jones, Dr. Tiffany Hill, Dr. Nancy Smith

Local Workshops and Presentations

William Allen White Book Awards Silly Science October 2014, 2015, 2016, 2017, 2018

- Organized and planned four hours of science investigation to 450 elementary students
- Selected and ordered \$250 of supplies

- Recruited and supervised over 35 ESU student volunteers

Kansas Leadership Center faculty cohort #2 (KLC) Summer 2014-Fall 2015

- Participated in KLC 6 day intensive leadership training in Wichita, KS (July and January)
- Served on University-wide committee to incorporate the Adaptive University initiatives into university curriculum
- Collaborate university wide to train faculty on the KLC core competencies

Math Common Core Centers Workshop October 2012
USD 253

- Planned and presented professional development to intermediate math teachers
- Explained common core connection to math centers/workshop
- Provided math resources for math centers/workshop for multiple grade levels

New Teacher Orientation August 2012
USD 253

- Planned and presented 1.5 hours of orientation for new teachers on primary resources available in district
- Imagine It! and Trailblazers curriculum used for resources

Common Core State Standards August 2012
USD 253

- Co-planned and presented professional development on common core state standards information to all 3rd grade teachers in the district in August, English Language Arts standards as well as Mathematical standards

Common Core State Standards August-February 2011-12
USD 253

- Planned and presented professional development on Common Core State Standards information to all 3rd and 4th grade teachers in the district in August
- Presented English Language Arts standards as well as Mathematical standards
- Developed, planned and presented 15 hours of professional development in October, January, and February for similar topics

Professional Organizations

Kansas Association of Teachers of Mathematics (KATM) 2018-present

Professional member
President-elect 2019-2020
President 2020-2021
Past President 2021-2023

National Council of Teachers of Mathematics (NCTM) 2014-present

Professional member

National Association of Professional Development Schools (NAPDS) Professional member	2015-Present
STEM Education Coalition Professional member	2014-present
National Council of Supervisors of Mathematics Professional member	2014-2016
Math and Science Programs (MSP) Professional member	2011-present
National Education Association (NEA) Professional member	1999-2019

SERVICE

Service: National

Klawe Fellow 2019-2020

- National fellowship to implement curriculum training for preservice teachers across education programs in the United States

EdReports.org October 2014-present
 Mathematics Curriculum Facilitator and Lead Reviewer
 Mathematics Curriculum Reviewer
 Online Forum Moderator

- Selected from a national pool of candidates to assess the alignment of mathematics curriculum to the Common Core State Standards
- Created and facilitated training sessions in face-to-face training in New York City, Chicago, St. Louis, and Minneapolis
- Collaboratively work in teams to evaluate curriculum
- Selected by consultants to serve as online forum moderator to promote EdReports' work in curriculum review

School-University Partnerships (SUP) Journal Reviewer Fall 2017-present
 National Association for Professional Development School

- Peer reviewed selected journal articles for SUP journal
- Crafted directed feedback for authors

Praxis/ETS Evaluator December 2014-present
 www.ets.org

- Selected from national pool of candidates to score Praxis test items
- Participated in online scorers training and training in the ONE system
- Evaluated the Wisconsin Badger Mathematics exams for grades 6th-8th and 11th

Service: State

Kansas State Department of Education (KSDE) 2018-present
 Math Trainer for the State of Kansas

- Invited to Trainer of Trainers session by Melissa Fast, Math Consultant for KSDE
- Presented at regional math trainings for the state of Kansas 2018-2019, 2019-2020
- Presented professional development day for 200 elementary educators at DeSoto schools for KSDE
- Presented professional development day Coffeyville district for KSDE.

Kansas Core Outcomes Group
 Emporia State University Representative October, 2017

- Represented Emporia State University and the EL/ED220 Introduction to Teaching course
- Revised state outcomes for course and articulation agreements between community colleges and universities in Kansas

Kansas Professional Development School Coalition member
 Emporia State University Representative

- Represented ESU at annual state meeting
- Shared disposition

STREAM Grant Building Coordinator Spring 2013-Spring 2014
 USD 253

- Planned and implemented professional development of STEM content for building staff
- Attended monthly district coordinator meetings
- Planned and organized 45.5 hours of STREAM grant activities for Timmerman
- Ensured grant requirements were met at the building level
- Allocated and purchased items using appropriate grant funds

Service: Emporia State University

Service: University

University Search Committee 2019
 Search committee outside department member, Art Education position, Department of Art

University Search Committee 2017
 Search committee outside department member, Science Education position, Department of LA&S

Teaching & Training Pathway 2019-present
 Emporia State University Advisory Board member

Elberta Harris Scholarship Selection Committee 2015-2017
 Committee Member

Kansas Performance Teaching Portfolio Coordinator Emporia State University and KSDE Liaison	2017-present
Faculty Senate Representative EE/EC/SE representative 2017-2019 EE/EC/SE representative and co-chair of COCG 2018-2019	2017-2019
James Patterson Scholarship Selection Committee Committee Member	2017, 2018
University Curriculum Review Panel Teacher College Representative on university committee	2018-present
University New Faculty Panel Invited Speaker	2017, 2018
CAEP Steering Committee PDS Director, Representative	2017-present
Founder's Day Committee TTC Representative	2017-present
Kansas National Education Association Student Program (KNEA-SP) Faculty Advisor, ESU	2014-2018

Service: College

Faculty Recognition Committee (FRC) Committee Member	2017-2019
Undergraduate and Graduate Teacher College Honors Award Committee Chair, ESU	2015-2016
Dean's Fund for Innovations and Creativity Committee member, ESU	2014-2016
Kansas Performance Teaching Portfolio (KPTP) Coordinator Liaison between KSDE and ESU	2016-present

Service: Department

Department Search Committees	2014-present
<ul style="list-style-type: none"> • Search committee member, Assist. Prof. STEM position, Department of EE/EC/SE • Search committee chair, Instructor position, Department of EE/EC/SE 	

- Search committee, Instructor position, Department of EE/EC/SE
- Search committee EEO, Elementary Education Advisor position, Department of EE/EC/SE
- Search committee EEO, Instructor position, Department of EE/EC/SE
- Search committee EEO, Director of Early Childhood position, Department of EE/EC/SE
- Search committee member, Instructor position, Department of EE/EC/SE
- Search committee chairperson, Instructor position, Department of EE/EC/SE
- Search committee member, Instructor position, Department of EE/EC/SE

Elementary Redesign Committee Committee member, ESU	2014-2016
Teacher Work Sample (TWS) Evaluation Coordinator University/Emporia and Emporia Area Public Schools Liaison	2015-2017
Department Leadership Committee Instructional Specialist: STEM representative	2016-2017 2018-2019
Professional Development Schools Co-Director Co-Director	2016-2017
Professional Development Schools Director Director	2017-present
Council Teacher Education (CTE) Emporia State University Elementary Education Representative	2009-2014 2018-present
Committee on Advanced Placement (CAP) Emporia State University Committee Member	2008-2009

Professional Conferences Attended

CAEP Washington, DC	September 2019
CAEP Denver, Colorado	March 2019
M4 Math Summit Ankeny, IA	March 2019
National Association of Professional Development Schools Atlanta, GA	February 2019

Association of Private Enterprise Education Las Vegas, NV	April 2018
National Association of Professional Development Schools Jacksonville, FL	March 2018
Association of Private Enterprise Education Las Vegas, NV	April 2016
National Association of Professional Development Schools Atlanta, GA	March 2015
Dr. Harry and Rosemary Wong: How to be a Successful and Effective Teacher Emporia, KS	June 2012
Math and Science Partnership Programs (MSP) New Orleans, LA	January 2012
Core Standards Institute Topeka, KS	September 2011
Core Standards Summer Academy Junction City, KS	June 2011
Differentiated Instructional Practices Orlando, FL	June 2010
Professional Learning Communities St. Louis, MO	June 2007
Differentiated Instruction Columbus, OH	June 2008
Ruby Payne: Cognitive Strategies to help Children of Poverty Learn Kansas City, MO	December 2008
Kansas Reading Association Topeka, KS	March 2006
I Teach 1 st ! Wichita, KS	March 2005
Student Improvement Team Training Kansas City, KS	February 2005

Technology and Educational Trainings

Trained in the following technological and educational advances:

- Zoom video conferencing software
- Canvas Learning Management System
- Kansas Educator Evaluation Protocol (KEEP)
- Number Talks
- Apple Vanguard Training
- 1-1 iPad Initiative (Hornet Connected Learning-HLC)
- SMART board technologies including Clickers
- NWEA MAP assessment data
- Google Docs/Gmail/Google Drive
- iPads for education
- Microsoft Outlook, Word, Excel
- One Note
- McRel Evaluation System
- Next Generation Science Standards (NGSS)
- Literacy First
- Co-Teaching
- Professional Learning Communities (PLC)
- Kansas College and Career Ready Standards (KCCRS)
- Common Core State Standards (CCSS)
- Literacy First Protocol and Assessments
- Kagan Cooperative Learning Strategies
- Carol Dweck's Mindset
- Differentiated Instruction (DI)
- Student Improvement Team (SIT)
- Response to Intervention (RtI)
- Multi-tiered Systems of Support (MTSS)