

Curriculum Vita
Sheryl Jean Rushton

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EDUCATION

- Ph.D. April 2014, Utah State University, Curriculum and Instruction, Emphasis: Mathematics Education and Leadership
- M.Ed. December 2004, Utah State University, Curriculum and Instruction, Emphasis: Instructional Technology
- B.S. June 1987, Utah State University, Secondary Education, Emphasis: Mathematics, Computer Science, Statistics

EMPLOYMENT HISTORY

- Weber State University: Assistant Professor (2014 – Present)
- Utah State University: Adjunct Instructor (2013 – 2014)
- University of Phoenix: Instructor (2013 – 2015)
- Channing Hall International Baccalaureate (IB) Charter School: Math Teacher (2006 – 2014)
- Salt Lake Community College: Math Instructor (1995 – 2007)
- UDOT: Transportation Technician Training (Salt Lake Community College): Course Developer and Instructor (1997 – 2003, 2005)
- Wasatch Jr. High School: Math Teacher (1993 – 1996)
- Mueller Park Jr. High School: Math Teacher (1987 – 1993)

COLLEGE TEACHING

Courses Taught – Weber State University

MED 6312: Content Instruction in the Elementary School Mathematics
MED 6060: Instructional Strategies
MED 6085: Developing a Project Proposal
EDUC 4950: Integrating Secondary Student Teaching Seminar
EDUC 4300: Elementary Math Methods
EDUC 4210: Elementary Level III Practicum
EDUC 3100: Instructional Planning and Assessment
EDUC 3210: Elementary Level II Practicum
MATH 2010: Arithmetic for Teachers
MATH 2015: Algebra and Functions for Teachers
Supervising Student Teachers

Course Taught – Utah State University

TEAL 4630/6630: Middle Level Math Methods course

Course Taught – University of Phoenix

MTE/533: Curriculum Constructs and Assessment: Science and Mathematics, an online course.

Courses Taught – Salt Lake Community College

MATH 1050: College Algebra
MATH 1010: Intermediate Algebra
MATH 0990: Elementary Algebra
MATH 0950: Pre-Algebra
MATH 0900: Basic Mathematics

PUBLICATIONS AND PRESENTATIONS

- Rushton, S. J. (2018). Teaching and learning mathematics through error analysis. *Fields Mathematics Education Journal*, 3(4), 1-12. <https://doi.org/10.1186/s40928-018-0009-y>
- Rushton, S. J. (2016). Literature review on assessment literacy for teachers and students. *Utah Mathematics Teacher*, 9, 19-37.
- Rushton, S. J., Hadley, K. M., & Stewart, P. W. (2016). Mathematics fluency and teaching self-efficacy of teacher candidates. *Journal of the International Society of Teacher Education*, 20(2), 48-56.
- Rushton, S. J. & VanWagoner, K. (2017, October). *Higher ground: Factors that optimize learning of mathematics*. International Society for Exploring Teaching and Learning (ISETL), Orlando, FL.

- Rushton, S. (2017, April). *Analyzing teacher usage of sixth grade mathematics summative assessments across similar educational boundaries*. Paper presented at 37th Annual International Seminar for Teacher Education (ISfTE), Danish School of Education, Aarhus, Denmark.
- Rushton, S., & Hadley, K. (2016, November). *Becoming a math teacher / Chip Trading*. Presentation to the Future Educator Association student conference, Weber State University.
- Rushton, S. (2016, April). *Learning mathematics through erroneous examples*. Paper presented at 36th Annual International Seminar for Teacher Education (ISfTE), Skukuza Camp, Kruger National Park, South Africa.
- Rushton, S., & Hadley, K. (2016, March). *Becoming a math teacher / Math Mania*. Presentation to the Future Educator Association student conference, Weber State University.
- Rushton, S. J., Hadley, K. M., & Stewart, P. W. (2015, June). *The Relationship between Mathematics Fluency and Teaching Self-Efficacy*. International Society for Teacher Education (ISfTE) Annual Conference, Montclair State University, NJ
- Rushton, S., & Hadley, K. (2015, November). *Becoming a math teacher / Math Mania*. Presentation to the Future Educator Association student conference, Weber State University.
- Rushton, S., & Hadley, K. (2015, March). *Becoming a math teacher / Math Mania*. Presentation to the Future Educator Association student conference, Weber State University.
- Hadley, K. M. & Rushton, S. J. (2015, March). *Using Principles to Actions as a Foundation for an Elementary Math Methods Course*. Utah Association of Mathematics Teacher Educators (UAMTE), Brigham Young University, UT.
- Rushton, S., & Hadley, K. (2014, November). *Becoming a math teacher / Math Mania*. Presentation to the Future Educator Association student conference, Weber State University.
- Twitchell, R., Mantilla, J., & Rushton, S. (2012, April). *Making the Common Core State Standards Accessible with Technology, grades 5 – 8*. Workshop Presentation (Focus Session), National Council of Teachers of Mathematics (NCTM) Annual Meeting and Exposition, Philadelphia, PA.
- Twitchell, R., Mantilla, J., & Rushton, S. (2011, November). *Making the Common Core State Standards Accessible with Technology, grades 5 – 8*. Utah Council of Teachers of Mathematics (UCTM) Annual Conference, Magna, UT.

Invited Presentations

- Rushton, S. (2016, November). *Importance of procedural fluency and conceptual understanding: Utah State University STARS! GEAR UP (cohort 2)*. Presentation at the Utah Council of Teachers of Mathematics (UCTM), Salt Lake City, UT.

Rushton, S., Hadley, K., & Pyle D. (2016, October). Mentor Academy: WSU & district partnership for improving the quality of field experiences. Presentation at the Utah Council of Education Deans (UCED), Westminster College, Salt Lake City, UT.

Rushton, S. (2016, June). CEEDAR partnership with Utah: Spotlight: Weber State University. Poster session at the Collaboration for Effective Educator Development, Accountability, and Reform (CEEDAR) convening, Reston, VA.

Rushton, S. (2015, November). Developing the vertex formula meaningfully for learners: Utah State University STARS! GEAR UP (cohort 1). Presentation at the Utah Council of Teachers of Mathematics (UCTM), Lehi, UT.

Rushton, S. (2014, November). USU GEAR UP grant, with lead Project Investigator - Eric Pakenham, at the UCTM conference.

Rushton, S. (2013, November). USU GEAR UP grant, with lead Project Investigator - Eric Pakenham, at the UCTM conference.

Rushton, S. (2013, March). Invited guest lecturer TEAL 7551: Mathematics Education Research Foundations (for Dr. Patricia Moyer-Pakenham)

Rushton, S. (2012, March). Invited guest lecturer ELEM 4060: Teaching Mathematics and Practicum (for Dr. Amy Brown)

Rushton, S. (2012, October). Invited guest lecturer ELEM 4060: Teaching Mathematics and Practicum (for Dr. Amy Brown)

GRANTS FUNDED

Project Investigator (\$7,000). *Access to the General Curriculum: Numeracy and Literacy Grant* (2011-2012). Utah State Office of Education (USOE). Project goal: to provide teachers with foundation in using math manipulatives and coaching in Mathematics. (with Lead Project Investigators - Deborah Swenson, Hawthorn Academy – Emily Wilson, Channing Hall Charter School).

Project Investigator (\$7,500). *Weber State University Moyes College of Education Chromebook Grant* (2015). Project goal: obtain Chromebooks for teachers and students to use in the Moyes College of Education and to provide training and support in the use of the Chromebooks. (with Co-Lead Project Investigators – Dr. Gina Shelley and Dr. Sheryl J. Rushton).

Expert Consultant for 8x8 project. *8x8 Davis District Mathematics Teacher Workshop Grant* (2016-2017). Project goal: to provide Davis District Mathematics Teachers with training on incorporating the 8 Standards for Mathematical Practices and the 8 Mathematics Teaching Practices into their classrooms. (with Lead Project Investigator – Dr. Rachel Bachman, Weber State University).

LEADERSHIP AND SERVICE

Treasurer (2016 – present): *International Society for Teacher Education (ISfTE)*

Treasurer (2016 – present): *Journal for the International Society for Teacher Education (JISTE)*

Reviewer (2015 - present): *Journal for the International Society for Teacher Education (JISTE)*

Secretary (2018 – present): *Utah Association of Mathematics Teachers (UATME)*

Co-Chair (2016 – 2018): *CEEDAR Policy Committee co-chair for Weber State University*

Committee Member (2016 – 2018): *STEM Equity Pipeline (National Alliance for Partnerships in Equity [NAPE]).*

Reviewer (2017): *National Council of Teachers of Mathematics Research Conference (NCTM Research)*

Reviewer (2011): *Association of Mathematics Teacher Education (ATME)*

PROFESSIONAL AFFILIATIONS & LEADERSHIP ROLES

ASSOCIATION OF MATHEMATICS TEACHER EDUCATORS (AMTE)

Member (2013-present)

UTAH ASSOCIATION OF MATHEMATICS TEACHER EDUCATORS (UAMTE)

Secretary (2018-present)

Member (2013-present)

ASSOCIATION FOR SUPERVISION AND CURRICULUM DEVELOPMENT (ASCD)

Member (2016-present)

INTERNATIONAL SOCIETY FOR TEACHER EDUCATION (ISfTE)

Treasurer (2016-present)

Member (2015-present)

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS (NCTM)

Member (2011-present).

Committee member (1986)

UTAH COUNCIL OF TEACHERS OF MATHEMATICS (UCTM)

Member (2006-present)

NATIONAL COUNCIL OF SUPERVISORS OF MATHEMATICS (NCSM)

Member (2012-2014)

UTAH TECHNOLOGY EDUCATION CONSORTIUM (UTEC)

Vice President (2016-present)

Member (2016-present)

AMERICAN COUNCIL FOR RURAL SPECUIAL EDUCATION (ACRES)

Member (2018-present)