

**Scott J. Hendrickson**  
**Associate Teaching Professor**  
**Department of Mathematics Education**  
**Brigham Young University**

**Education:**

MA, Mathematics Education, Brigham Young University, 1984  
BA, Mathematics Education with minor in physics, Brigham Young University, 1979

**Experience:**

Brigham Young University, Associate Teaching Professor, Department of Mathematics Education, 2005-present  
Alpine School District, High School Mathematics Teacher, 1979-2005  
Alpine School District, Mathematics Specialist, 1995-2004

**Awards and Recognition:**

1994 Utah Teacher of the Year  
2003 Presidential Award for Excellence in Mathematics and Science Teaching  
2007 UCTM Don Clark Award for Lifetime Achievement in Mathematics Education

**Professional Association Memberships and Service:**

National Council of Teachers of Mathematics (NCTM)  
(Program co-chair for NCTM Western Regional Meeting, 2003)  
Utah Council of Teachers of Mathematics (UCTM)  
(Past President and member of board of directors)  
Association of Mathematics Teacher Educators (AMTE)  
Utah Association of Mathematics Teacher Educators (UAMTE)  
National Council of Supervisors of Mathematics (NCSM)

**Recent Presentations at Professional Meetings:**

National Council of Supervisors of Mathematics, Annual Meeting. *CPR for the Common Core: Using the Comprehensive Mathematics (CMI) Framework to Unpack Standards Across a Learning Cycle of Instruction*, Washington, DC. Apr 2018.  
Utah Council of Teachers of Mathematics, Annual Conference featured speaker. *High Quality Math Instruction: Connecting the Standards of Mathematical Practice with NCTM's Effective Teaching Practices*, Ogden, UT. Aug. 2017.  
National Council of Teachers of Mathematics, Annual Meeting. *Taking Trig to Task*, San Antonio, TX. Apr 2017.  
National Council of Supervisors of Mathematics, Annual Meeting. *A Framework for Thinking through a Unit: Implications for Tasks, Instructional Practices and Student Outcomes*, San Antonio, TX. Apr 2017.  
National Council of Supervisors of Mathematics, Annual Meeting. *A Framework for Building Procedural Fluency on a Foundation of Conceptual Understanding*, Oakland, CA. Apr. 2016.

- Utah State Office of Education Secondary Math Committee. *Geometry from a Transformational Perspective: Aligning the Core*, Springville, UT. Jan. 2016.
- National Council of Supervisors of Mathematics, Annual Meeting. *8 by 8: Connecting Teaching Practices and Student Mathematical Practices*, Boston, MA. Apr 2015.
- California Math Council-South, Annual Meeting. *Multitasking Through the Common Core*, Palm Springs, CA. Nov. 2013.
- National Council of Teachers of Mathematics, Western Regional Meeting. *Multitasking Through the Common Core*, Las Vegas, NV. Oct. 2013.
- National Council of Supervisors of Mathematics, Annual Meeting. *Multitasking Through the Common Core Using Learning Cycles* (Scott Hendrickson, Barbara Kuehl) Denver, CO. Apr. 2013.
- Utah Council of Teachers of Mathematics, Annual Meeting. *Completing the Cycle: From Emerging Ideas to Communities of Practice* (Scott Hendrickson and Janet Sutorius). American Fork, UT Oct. 2012.
- NUES (Northeastern Utah Education System) Workshop. *Implementing the Vision of Teaching CCSSM Integrated Mathematics I* (Scott Hendrickson and Joleigh Honey). Heber City, UT Sept. 2012.
- Davis School District Opening Math Institute, Keynote Speech. *The Comprehensive Mathematics Instruction Framework: An instructional model for implementing CCSSM*. Davis School District, Aug. 2012.
- Utah Council of Teachers of Mathematics, Annual Meeting. *Aiming Beyond the CRTs—What’s Next in Assessment?* (Scott Hendrickson and Vicki Lyons) Magna, UT. Nov 2011.
- National Council of Supervisors of Mathematics, Annual Meeting. *Addressing the Perfect Storm: Professional Development for Secondary Teachers Focused on Reasoning and Sense Making* (Scott Hendrickson, Joleigh Honey. Barbara Kuehl and Janet Sutorius). Indianapolis, IN Apr 2011.
- Utah Association of Mathematics Teacher Educators, Annual Conference. *The Comprehensive Mathematics Instruction Framework: A New Lens for Examining Teaching and Learning*. Provo, UT. Mar. 2011.
- Association of Mathematics Teacher Educators, Annual Conference. *The Comprehensive Mathematics Instruction Framework: A New Lens for Examining Teaching and Learning*. (Sterling Hilton, Scott Hendrickson and Damon Bahr). Irvine, CA. Jan 2010.
- College of Physical and Mathematical Sciences Career Exploration Series. *What to think about if your thinking about a career in mathematics education*. BYU, Provo, UT. Oct. 2009, 2010.
- Utah Council of Teachers of Mathematics, Annual Meeting. *Promoting and Orchestrating Discourse in the Secondary Mathematics Classroom*. Orem, UT. Oct 2009.
- National Council of Teachers of Mathematics, Annual Meeting. *Connecting the Dots: Mathematical Tasks to Build an Understanding of Functions* (Barbara Kuehl and Scott Hendrickson). Washington, DC. Apr 2009.
- American Education Research Association, Annual Meeting. *Seeking Renewal, Finding Community: Participatory Action Research in Teacher Education*. (Presented by the Brigham Young University Literacy Study Group). San Diego, CA. April 2009.
- Utah Council of Teachers of Mathematics, Annual Meeting. *Cycling Through Teaching and Learning: Examining “The Bike Tour” from Connected Mathematics Through the Lens of the CMI Framework*. (Scott Hendrickson, Sharon Christensen and Trisha Nef). Salt Lake City, UT. Oct 2008.

- National Reading Conference, Annual Convention. *(Re)imagining content-area literacy instruction: Preparing teachers to support adolescents' print and non-print literacies*. (Co-presented with Roni Jo Draper, Dan Siebert, Amy Jensen, Jeff Nokes, Paul Broomhead, Diane Asay, Marta Adair). Austin, TX. Nov 2007.
- College Reading Association, Annual Conference. *(Re)considering literacies for learning, knowing and communicating: Moving beyond reading and writing across the curriculum*. (Co-presented with Roni Jo Draper, Amy Jensen, Jeff Nokes, Paul Broomhead, Diane Asay, Marta Adair, Gloria Nance). Salt Lake City, UT. Nov 2007.
- National Reading Conference, Annual Convention. *Every Teacher Educator a Literacy Teacher Educator: Seeking Ways to Promote Content-Area Literacy Across Teacher Education and Development*. (Co-presented with Roni Jo Draper, Nancy Wentworth, Marta Adair, Diane Asay, Paul Broomhead, Merrill Hansen, Amy Jensen, Jeff Nokes, Duane Merrill, Sunya Osborn and Gloria Nance). Los Angeles, CA. Nov 2006.
- Utah Council of Teachers of Mathematics, Annual Meeting. *What I Have Learned About Teaching Mathematics from Literacy Instructors: Reading, Writing and the NCTM Process Standards*. Salt Lake City, UT, Oct 2006.
- Jordan District IMPACT Teachers Meeting (invited speech). *New Roles and New Skills for Mathematics Teachers*. Salt Lake City, UT, May 2006.
- Utah Council of Teachers of Mathematics, Annual Meeting. *Trouble in River City: A New Look at Assessment in the Mathematics Classroom*. (Co-presented with Adrienne Olsen). Ogden, UT. Oct 2005.
- National Council of Teachers of Mathematics, Annual Meeting. *Lenses for Looking at Students' and Teachers' Practice for Creating Meaning in the Mathematics Classroom*. (Co-presented with Sharon Christensen, Valerie Chambers, Travis Lemon, Dru Willhite and Adrienne Olsen). Anaheim, CA. Apr 2005.
- Consortium for Mathematics Education Enhancement, Annual Meeting. *The Chefs' Cauldron—A Metaphor for Integers*. (Co-presented with Sharon Christensen). Salt Lake City, UT. Apr 2005.
- Consortium for Mathematics Education Enhancement. Annual Meeting. *The Story of "e": Using a Problem Situation to Develop the Concept of e in a Precalculus Class*. (Co-presented with Vicki Lyons). Salt Lake City, UT. Apr 2005.

***Professional Development Projects:***

- CITES Middle School Comprehensive Mathematics Instruction (CMI) Professional Development Writing Project. Co-developed with Nicole Berg, Dawn Barson, Janet Young. 2016-2018.
- CITES Secondary Comprehensive Mathematics Instruction (CMI) Professional Development Project (Biweekly, 2-hr PD sessions with secondary mathematics teachers in Wasatch County School District, under the direction of Eric Campbell and Paul Sweat). Co-developed and facilitated with Dawn Barson, Carrie Bala, Janet Young, and JoDene Arakelian. Heber City, UT. 2013-2015 school years.
- Mathematics Vision Project Workshop, *Transformational Geometry: Progressions and Practices*, (Scott Hendrickson, Joleigh Honey, Barbara Kuehl, Travis Lemon, Janet Sutorius). Salt Lake City, UT June 2015.
- Mathematics Vision Project, Webinar, *The Transformative Power of Transformational Geometry*, Salt Lake City, UT January 2015

Mathematics Vision Project Workshop, *Modeling Functions: Progressions and Practices*, (Scott Hendrickson, Joleigh Honey, Barbara Kuehl, Travis Lemon, Janet Sutorius). Salt Lake City, UT June 2014 and San Diego, CA July 2014

CITES Secondary Math Task Force Professional Development. (Four one-day sessions for teachers of Secondary I and II Mathematics in the BYU Public School Partnership). Co-facilitated with Seth Sorenson, Ron Twitchell, Wendy Harmon, Nicole Berg. Provo, UT. 2012-13 school year.

Utah State Office of Education Secondary Core Academies Project 2013. Member of the mentoring and design team. 2012-2013 school year.

CITES Mathematics Initiative Committee Facilitator's Institute. (One-week facilitator training seminar co-facilitated with Sterling Hilton, Damon Bahr, Sue Pope, Tami Bird and Lisa Ann Degarcia). Park City, UT. July 2011.

Utah State Office of Education Secondary Mathematics Professional Development Project. *Essential Understandings of the Common Core*. (Co-facilitated with Travis Lemon). American Fork, UT. Jun. 2011.

Utah State Office of Education Secondary Mathematics Professional Development Project. *Making Sense of Sense Making Facilitator Training*. (Co-facilitated with Barbara Kuehl, Joleigh Honey, Brynja Kohler & Janet Sutorius). Daniels Summit, UT. Jan. 2011.

CITES Mathematics Initiative Committee Facilitator's Institute. (One-week facilitator training seminar co-facilitated with Ron Twitchell, Seth Sorensen, and Lisa Ann Degarcia). Park City, UT. June 2010.

Utah State Office of Education Secondary Mathematics Professional Development Project. *Making Sense of Sense Making*. (Co-facilitated with Barbara Kuehl, Joleigh Honey, Kenley Brown, Brynja Kohler & Janet Sutorius). Salt Lake City and Provo, UT. Spring 2010.

Developing Mathematical Ideas Leadership Institute. *Reasoning Algebraically about Operations*. (One-week seminar co-facilitated with Hetal Petal). Mt. Holyoke College, South Hadley, MA. July 2009.

Utah State Office of Education Secondary Mathematics Professional Development Project. *All Things Rational*. (Co-facilitated with Barbara Kuehl, Joleigh Honey & Janet Sutorius). Clearfield, Murray and Lindon, UT. Spring 2009.

Utah State Office of Education Secondary Mathematics Professional Development Project. *Focus on Functions*. (Co-facilitated with Barbara Kuehl, Joleigh Honey & Janet Sutorius). Park City, UT. Spring 2008.

Developing Mathematical Ideas Leadership Institute. *Reasoning Algebraically about Operations*. (Two-week seminar co-facilitated with Hetal Petal). Mt. Holyoke College, South Hadley, MA. July 2008.

CITES Mathematics Initiative Committee Leadership Institute. *Reasoning Algebraically about Operations*. (One-week seminar co-facilitated with Tami Bird & Ron Twitchell). Park City, UT. June 2008.

Developing Mathematical Ideas Leadership Institute. *Reasoning Algebraically about Operations*. (Two-week seminar co-facilitated with Keith Cochan, TERC). Mt. Holyoke College, South Hadley, MA. July 2007.

### **Scholarly Publications:**

- Hendrickson, S., Kuehl, B., & Hilton, S. (2018). Connecting the dots: Building procedural fluency on a foundation of conceptual understanding. *Mathematics Teaching in the Middle School* (in press).
- Siebert, D. & Hendrickson, S. (2010). (Re)imagining literacies for mathematics classrooms. In Roni Jo Draper (Ed) *(Re)imagining content-area literacy instruction*. New York, NY: Teachers College Press.
- Hendrickson, S., Hilton, S. C., & Bahr, D. (2010). The comprehensive mathematics instruction (CMI) framework: A new lens for examining teaching and learning in the mathematics classroom (reprint). *Utah Association of Secondary School Principals Impact Journal*, 13-16.
- Hendrickson, S., Hilton, S. C., & Bahr, D. (2009). Using the comprehensive mathematics instruction (CMI) framework to analyze a mathematics teaching episode. *Utah Mathematics Teacher*, 2, 21-26.
- Hendrickson, S., Hilton, S. C., & Bahr, D. (2008). The comprehensive mathematics instruction (CMI) framework: A new lens for examining teaching and learning in the mathematics classroom. *Utah Mathematics Teacher*, 44-52.
- Hendrickson, S., & Christensen, S. (2006). Learning from elementary school mathematics research: Changes in the beliefs and practices of secondary school teachers. In Laura van Zoest (Ed.) *Teachers engaged in research: Inquiry into mathematics practice, grades 9-12*, Reston, VA: National Council of Teachers of Mathematics.
- Hendrickson, S., Siebert, D., Smith, S. Z., Kunzler, H., & Christensen, S. (2004). Addressing parents' concern about reform curricula. *Teaching Children Mathematics* 11(1), 18-23.

### **Case Studies:**

- Hendrickson, S. [Jayson] (2010). Zero is special; zero is nothing. In Schifter, D., Bastable, V., & Russell, S. J. *Developing Mathematical Ideas: Making Meaning of Operations Casebook*. Boston, MA: Pearson.
- Hendrickson, S. [Jayson] (2010). Connecting images of multiplication to algebra. In Schifter, D., Bastable, V., & Russell, S. J. *Developing Mathematical Ideas: Building a System of Tens Casebook*. Boston, MA: Pearson.

### **Other Publications:**

- Hendrickson, S., Honey, J., Kuehl, B., Lemon, T., & Sutorius, J. (2014). *Secondary Three Mathematics: An Integrated Approach*. Mathematics Vision Project: [www.mathematicsvisionproject.org](http://www.mathematicsvisionproject.org).
- Hendrickson, S., Honey, J., Kuehl, B., Lemon, T., & Sutorius, J. (2013). *Secondary Two Mathematics: An Integrated Approach*. Mathematics Vision Project: [www.mathematicsvisionproject.org](http://www.mathematicsvisionproject.org).
- Hendrickson, S., Honey, J., Kuehl, B., Lemon, T., & Sutorius, J. (2012). *Secondary One Mathematics: An Integrated Approach*. Mathematics Vision Project: [www.mathematicsvisionproject.org](http://www.mathematicsvisionproject.org).

### **Grants:**

- U.S. Department of Education/Utah State Office of Education Math Science Partnership: *Comprehensive Mathematics Instruction: Sustaining Improvement*. PI: Eric Campbell.

Co-PIs: Sterling Hilton, Scott Hendrickson, Damon Bahr, Gary Lawlor. Amount: \$494,000. Term: 1/2015-12/2017.

U.S. Department of Education/Utah State Office of Education Math Science Partnership: *Comprehensive Mathematics Instruction: Scale-up and Sustainability*. PI: Eric Campbell. Co-PIs: Sterling Hilton, Scott Hendrickson, Damon Bahr, Gary Lawlor. Amount: \$655,550. Term: 7/2012-6/2015.

U.S. Department of Education/Utah State Office of Education Math Science Partnership: *Comprehensive Mathematics Initiative (CMI)*. PI: Sterling Hilton. Co-PIs: Scott Hendrickson, Damon Bahr, Hugo Rossi. Amount: \$650,000. Term: 7/2009-6/2012.