

CURRICULUM VITAE

Heidi A. Eisenreich

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ACADEMIC BACKGROUND

- Ph.D. UNIVERSITY OF CENTRAL FLORIDA, Orlando, FL
2016 Elementary Mathematics Education
 Advisor: Juli K. Dixon
- Certificate UNIVERSITY OF CENTRAL FLORIDA, Orlando, FL
2016 Advanced Graduate Certificate: Advanced Quantitative Methodologies
- M.A. JACKSONVILLE UNIVERSITY, Jacksonville, FL
2015 Mathematics
- M.Ed. CARDINAL STRITCH UNIVERSITY, Milwaukee, WI
2006 Education
- B.S. CARROLL COLLEGE, Waukesha, WI
2001 Major: Mathematics, Minor: Secondary Education

PROFESSIONAL EXPERIENCE

- 2016-present **Assistant Professor**, Mathematics Education, Georgia Southern University, Statesboro, GA. Teach undergraduate elementary mathematics education content courses.
- 2013-present **Graduate Teaching Assistant**, Mathematics Education, University of Central Florida, Orlando, FL. Teach undergraduate elementary mathematics education content course and secondary internship class component. TA for elementary mathematics education course, secondary mathematics education methods course, and graduate elementary content/methods course.
- 2014-present **Intern Coordinator**, Mathematics Education, University of Central Florida, Orlando, FL. Supervise mathematics education and elementary education

undergraduate interns.

- 2012-2013 **Graduate Research Assistant**, Mathematics, University of Central Florida, Orlando, FL. Held office hours and was a TA for Intermediate Algebra. Worked on research for STEM education.
- 2011-2012 **Mathematics Teacher**, Mathematics, Oxbridge Academy, West Palm Beach, FL. Taught Algebra 1 and Algebra 2. Coached JV volleyball.
- 2010-2011 **Tutor**, Mathematics, Jacksonville University, Jacksonville, FL. Tutored in the Learning Center.
- 2011 **Mathematics Instructor**, Flagler College, St. Augustine, FL. Taught Intermediate Algebra and College Algebra.
- 2011 **Mathematics Instructor**, St. John's River State College, St. Augustine, FL. Taught Intermediate Algebra.
- 2010-2011 **Mathematics Instructor**, University of Phoenix, Jacksonville, FL. Taught college algebra 1 and 2. Held tutoring sessions.
- 2009-2010 **Mathematics Teacher**, St. John's Country Day School, Orange Park, FL. Taught geometry and geometry honors, assistant supervisor for the school yearbook, supervisor for student council, director for the Miss St. John's Pageant, contacted textbook companies to get samples for and choose a book for a new math course called topics in math.
- 2008-2009 **Mathematics Instructor**, Moraine Park Technical College, Beaver Dam, WI. Taught basic algebra. Worked with the school tutor to keep students on track.
- 2007-2009 **Assistant Dean of Students**, Wayland Academy, Beaver Dam, WI. Assisted the school nurse with student doctor appointments and prescriptions, coordinated student transportation for long breaks, student government advisor, served on the conduct review committee, ran student union and interviewed, appointed, and trained union proctors, head of class advisors, in charge of weekend teams, on student services committee, interviewed students applying to become prefects.
- 2001-2009 **Mathematics Teacher**, Wayland Academy, Beaver Dam, WI. Taught pre-algebra, algebra 1, algebra 1 honors, geometry, geometry honors, and algebra 2, tutored students, coached varsity volleyball, coached cheerleading, supervised AAP (alternate athletic program), assistant coach for track, assistant advisor for thespian society, member of the cum laude society, dorm supervisor, academic advisor for 7-10 students, chaperone and transport students to various weekend activities, coordinate weekend activities, plan and chaperone school dances, initiated math peer tutoring program.

HONORS AND AWARDS

- STaR Fellow for AMTE, 2017-2018
- Award for Excellence in Graduate Student Teaching, 2016
- Graduate Research Showcase, Honorable Mention, 2016
- Graduate Studies conference travel award, 2015, 2016
- Student Government Association travel award, 2014, 2015
- Nominated for FAMTE's doctoral student of the year award, 2014
- Cum Laude Society Member, 1996-present
- Cum Laude Society Faculty Advisor, 2001 - 2009

RESEARCH AND CREATIVE ACTIVITIES

Research Foci:

- 1) Helping parents make sense of elementary mathematics strategies;
- 2) Deepening teachers' knowledge of mathematics for teaching;
- 3) Supporting communication and justification of mathematical ideas;
- 4) Determining how to prepare doctoral students to be successful MTEs

Publications

Note: In the field of education, the primary author is listed first.

Eisenreich, H.A., Andreasen, J. (in progress). Parent Workshops Focused on Mathematics Knowledge for Parenting (MKP): Shifting Beliefs About Learning Mathematics. PME 2016 Conference Proceedings.

Eisenreich, H. (2016). Mathematics knowledge for parenting (MKP): Workshops to help parents make sense of mathematics. In Adolphson, K.V. and Olson, T.A. (Eds.). *Proceedings of the 43rd Annual Meeting of the Research Council on Mathematics Learning*. Orlando, FL.

Harshman, K. & **Eisenreich, H.** (2016). Preservice teachers acceptance of number concepts instruction in base 8. In Adolphson, K.V. and Olson, T.A. (Eds.). *Proceedings of the 43rd Annual Meeting of the Research Council on Mathematics Learning*. Orlando, FL.

Harshman, K. & **Eisenreich, H.** (2015). Instructional strategies that foster conceptual understanding. *Dimensions*. 35(2), p. 27-31.

Eisenreich, H., & Harshman, K. (2014). The influence of TeachLivE on anxiety levels in preservice and inservice mathematics teachers. In Straub, C., Dieker, L., Hynes, M., & Hughes, C. (2014). *Proceedings from Ludic Convergence: The Second National TLE TeachLivE Conference*. Orlando, FL: University of Central Florida. 19-22.

Papers Presented at Professional Conferences

National/International Conferences

- Eisenreich, H.A.**, Dixon, J.K., Andreasen, J. (2017, April). *Making sense to explore: Teaching Area with Coherence*. Paper presented at the annual meeting of the National Council of Teachers of Mathematics, San Antonio, FL.
- Haciomeroglu, E. S, **Eisenreich, H.A.**, Abassiyan, A. (2017, April). *Completing the incomplete: Making sense of completing the square using manipulatives*. Paper presented at the annual meeting of the National Council of Teachers of Mathematics, San Antonio, FL.
- Ortiz, E., **Eisenreich, H.A.**, & Tapp, L. (2017, February). *Preservice Teachers' Conceptions and Misconceptions of Physical and Virtual Manipulatives*. Paper presented at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Eisenreich, H.A.**, Andreasen, J. (2016, November). Parent Workshops Focused on Mathematics Knowledge for Parenting (MKP): Shifting Beliefs About Learning Mathematics. Paper presented at the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ.
- Eisenreich, H.A.**, Andreasen, J., and Harshman, K. (2016, November). Helping Preservice Teachers Make Sense of Whole Number Concepts and Operations: Working in Base 8. Poster presented at the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ.
- Andreasen, J., Haciomeroglu, E., and **Eisenreich, H.A.** (2016, November). Conceptual and Procedural Understanding: Prospective Teachers' Interpretations and Applications. Poster presented at the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ.
- Rediske, A. M., **Eisenreich, H. A.**, McAfee, M. A. Sivio, S. A., Butler, M. B. (2016, July). *Alignment of lecture and lab in introductory microbiology and biology courses: Analysis of current practices*. Poster presented at the American Society for Microbiology Conference for Undergraduate Educators, Bethesda, MD.
- Rediske, A. M., McAfee, M. A., **Eisenreich, H. A.**, Sivo, S. A., Butler, M. B. (2016, July). *Attitudes of instructors towards the importance and necessity of alignment of topics in lecture and lab in introductory microbiology and biology courses*. Poster presented at the Society for the Advancement of Biology Education Research National Meeting, Minneapolis, MN.
- Eisenreich, H.A.** (2016, February). *Parent Workshops on 2nd, 3rd, and 4th Grade Whole Number Operation Tasks*. Paper presented at the annual Research Council on Mathematics Learning, Orlando, FL.
- Harshman, K. & **Eisenreich, H.A.** (2016, February). *Preservice teachers' acceptance of number concepts instruction in base 8*. Paper presented at the annual Research Council on Mathematics Learning, Orlando, FL.

Ortiz, E., **Eisenreich, H.A.**, & Tapp, L. (2016, February). *Pre-service Teachers' Implementation of Physical and Virtual Manipulatives*. Paper presented at the annual Research Council on Mathematics Learning, Orlando, FL.

Eisenreich, H.A. (2014, November). *Fractions: Using Fractions: Area and Linear Models*. Paper presented at the annual School Science and Mathematics Association, Jacksonville, FL.

Young, C.Y. & **Eisenreich, H.A.** (2014, January). *The Impact of WHYU and Khan Academy on Student Learning in Mathematics*. Paper presented at Joint Mathematics Meetings, Baltimore, MD.

Regional/State/Local Conferences

Eisenreich, H.A. (2016, October). *What have I done? Connecting fraction manipulatives to context*. Paper presented at the regional meeting of National Council of Teachers of Mathematics, Phoenix, AZ.

Eisenreich, H.A. (2016, October). *Connecting fraction manipulatives to context*. Paper presented at the annual meeting of the Florida Council of Teachers of Mathematics, Orlando, FL.

Haciomeroglu, E. S, **Eisenreich, H.A.**, Abassiyan, A. (2016, October). *Making sense of quadratic equations*. Paper presented at the annual meeting of the Florida Council of Teachers of Mathematics, Orlando, FL.

Eisenreich, H.A. & Mainali, B. R. (2016, May). *Comparing Fractions: Using Strategies and Discourse to Develop Conceptual Understanding*. Paper presented at the annual meeting of the Wisconsin Mathematics Council, Green Lake, WI.

Mainali, B. R. & **Eisenreich, H.A.** (2016, May). *Teaching with Technology: GeoGebra Exploration*. Paper presented at the annual meeting of the Wisconsin Mathematics Council, Green Lake, WI.

Eisenreich, H.A. & Gault, R. (2015, October). *Building Early Number Sense: Understanding your Students' Struggle by Making Sense of Counting and Regrouping*. Paper presented at the annual meeting of the Florida Council of Teachers of Mathematics, Orlando, FL.

Eisenreich, H.A. & Sutherland, M. (2015, October). *Linking Area Formulas: Triangle, Rectangle, Square, Parallelogram, and Trapezoid*. Paper presented at the annual meeting of the Florida Council of Teachers of Mathematics, Orlando, FL.

Eisenreich, H.A. & Harshman, K. (2015, October). *Comparing Fractions: Using Strategies and Discourse to Develop Conceptual Understanding*. Paper presented at the annual meeting of the Florida Council of Teachers of Mathematics, Orlando, FL.

Eisenreich, H.A. & Mainali, B. R. (2015, May). *Fraction Kit: Helping Students Understand Fractions*. Paper to be presented at the annual meeting of the Wisconsin Mathematics Council, Green Lake, WI.

Eisenreich, H.A. & Mainali, B. R. (2015, May). *Using Discourse to Introduce Triangles, Quadrilaterals, and Other Polygons*. Paper presented at the annual meeting of the Wisconsin Mathematics Council, Green Lake, WI.

Mainali, B. R. & **Eisenreich, H.A.** (2015, May). *From AngLegs to Technology: Exploring Triangle Similarity Concepts*. Paper presented at the annual meeting of the Wisconsin Mathematics Council, Green Lake, WI.

Eisenreich, H.A. (2014, October). *Creating Discourse in the Classroom: Triangles, Quadrilaterals, and other Polygons*. Paper presented at the annual meeting of the Florida Council of Teachers of Mathematics, Palm Harbor, FL.

Eisenreich, H.A. (2014, October). *Fractions: Using Area Models to Write Word Problems*. Paper presented at the annual meeting of the Florida Council of Teachers of Mathematics, Palm Harbor, FL.

Eisenreich, H.A., & Harshman, K. (2014, May). The influence of TeachLivE on anxiety levels in preservice and inservice mathematics teachers. Paper presented at the annual TLE TeachLivE Conference, Orlando, FL.

Eisenreich, H.A. & Moe, B. (2014, May). *Fractions: Hands on Activities*. Paper presented at the annual meeting of the Wisconsin Mathematics Council, Green Lake, WI.

Eisenreich, H.A. & Glenn-White, V. (2013, October). *Introducing Fractions: Manipulatives to Create and Use in Your Classroom*. Paper presented at the annual meeting of the Florida Council of Teachers of Mathematics, Orlando, FL.

Consultations/ Professional Development

Eisenreich, H.A. (2015). Helping elementary teachers make sense of mathematics for teaching. Martin County, FL: SeaWind Elementary, Warfield Elementary.

UNIVERSITY TEACHING

Undergraduate Courses at Georgia Southern University

Undergraduate Courses at the University of Central Florida

MAE 2801 Elementary School Mathematics (Instructor of Record) – This course is required for elementary education and exceptional education majors. Students explore whole number concepts and operations in base 8 and then move back to base 10 as they develop deep understanding of fraction concepts and operations. Emphasis is also placed on developing conceptual understanding of measurement and geometry.

MAE 3940 Internship (Instructor of Record) – This course is required for secondary mathematics education students. This is internship 1, where preservice teachers are in the secondary classroom two days each week and meet with me every other week where they are given tasks to connect what they are learning in their classes at UCF to what they are seeing in the middle or high school classroom. This class is taken as a co-requisite of MAE 4360 (Mathematical Instructional Analysis), which is the second part of a two-part sequence (after MAE 4634)

MAE 4326 How Children Learn Mathematics (TA) – This course is required in the elementary education program. It is taught concurrently with a junior internship. Students spend two days per week in schools assigned to a teacher from one of the two grade bands, k-2 or 3-5. The student is then assigned to the other grade band the second half of the semester. The students spend one full-week in the schools each half semester during which time the student teaches a lesson or combination of lessons based on materials covered in mathematics methods.

MAE 4634 Programs in Teaching of Mathematics (TA) – This course is required in the secondary mathematics education program. It is part of a two-semester sequence during which time students develop content knowledge for teaching 6-12 mathematics topics and relate it to student learning as tutoring for 10-15 hours is a component of this class. Possible student errors are brought to light so preservice teachers have an opportunity to discuss them and learn about them. Technology is also a focus, as students learn about Geogebra and use it to solve different problems.

MAE 6318 Current Methods in Elementary School Mathematics (TA) – This course is a graduate level course for preservice and inservice elementary teachers. Both content and pedagogy is included, as students make sense of mathematics content and learn best practices for teaching mathematics with depth. Additionally, doctoral students take this class with the masters students to learn the content in the class and learn how to teach classes similar to this. There is a focus on the standards for mathematical practices as well.

Supervision of Student Teachers/Interns

Supervise internship I and internship II students in elementary education and secondary mathematics (2014-present)

PROFESSIONAL SERVICE

International and National

- Manuscript Reviewer, *Teaching Children Mathematics*, 2014 – present
- Member, AMTE Local Arrangements Committee, 2015

- Reviewer of professional development book series on making sense of mathematics for teaching (under development)
- Member, AMTE Local Arrangements Committee, 2017

Local

- Fostered dogs, Shitzu and Furbaby Rescue, 2011-2014
- Fostered dogs, Destiny for Dogs, 2012-present
- Helped with annual fundraiser, Destiny for Dogs, 2013

College

- Assist with annual math tournament, 2017
- Helped create and run a table for STEM day, 2016
- Assisted in giving students feedback at the Undergraduate Student Showcase, 2016
- Mentor, Minority Teacher Recruitment and Retention, 2014 – 2016
- Assisted in planning the Undergraduate Student Showcase, 2015
- Student Participated in a Professional Learning Community to improve teaching MAE 2801, Elementary School Mathematics, 2013 - 2016
- Developed content for a two-semester elementary mathematics content course, 2014

Continuing Education

- Training on Instructional Quality Assessment Tool (Boston, 2006), 2014
- Graduate Teaching Associate Training, Faculty Center for Teaching and Learning, 2013
- Preparing Tomorrow's Faculty Training, Faculty Center for Teaching and Learning, 2013
- Graduate Grantsmanship Certificate Series Training, Faculty Center for Teaching and Learning, 2013
- SPSS (statistical software) Training, 2012-present

Professional Memberships and Affiliations

- Association of Mathematics Teacher Educators (AMTE), 2013 - present
- Florida Association of Mathematics Teacher Educators (FAMTE), 2013-present
- Florida Council of Teachers of Mathematics (FCTM), 2013-present
- National Council of Teachers of Mathematics (NCTM), 2013-present
- Research Council on Mathematics Learning (RCML), 2015- present
- School Science and Mathematics Association (SSMA), 2013-2014
- TODOS: Mathematics for All (TODOS), 2013-present