

DR. MASON A. KUHN
DEPARTMENT OF CURRICULUM AND INSTRUCTION
UNIVERSITY OF NORTHERN IOWA
CURRICULUM AND INSTRUCTION
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Education

University of Northern Iowa Ed.D. (December, 2015)
Cedar Falls, Iowa

Curriculum and Instruction
Dissertation Chair: Dr. Elana Joram

Dissertation Topic: Do Teacher Judgment Accuracy and Teacher Feedback Predict Student Achievement in Elementary and Middle-School Science?

Coursework Focus: Instructional Psychology, Cognitive Learning, Creativity, Arts-Integrated Inquiry, Quantitative Research, Curriculum Leadership.

University of North Dakota M.S. (July, 2011)
Grand Forks, North Dakota

Special Education

Scholarly Project: The Correlation Between Lyme Disease and Autism Spectrum Disorder

Walden University M.S. (May, 2009)
Minneapolis, Minnesota

Science Education K-8

Coe College B.A. (May, 2000)
Cedar Rapids, Iowa

Elementary Education K-6
Physical Education
Coaching Certificate

Professional Experience

Educational Experience

2015-Present. *Assistant Professor*, University of Northern Iowa.
Curriculum and Instruction: Elementary Education Division
Undergraduate Courses Taught:
ELEMECML 3161-Teaching Elementary School Science.
ELEMECML 4150- Elementary Curriculum
Graduate Courses Taught:
ELEMECML 5141 Integrated Activities in Elementary School
Science and Mathematics

Other Teaching Positions

- 2008 – 2015. *4th Grade Classroom Teacher*. Shell Rock Elementary. Shell Rock, Iowa. Implemented inquiry based and research based curriculum in science, reading, math, and social studies classrooms.
Folder Number: 348253
License: Master Educator License
- 2012 *Adjunct Professor*. Wartburg College. Waverly, Iowa
Course Taught: PHY 130 -Physics of Ordinary Things.
- 2006 – 2008. *3rd Grade Classroom Teacher*. Washington Elementary, Charles City, IA. Implemented inquiry based and research based curriculum in science, reading, math, and social studies classrooms.
- 2005-2006. *4th Grade Classroom Teacher*. King-Chavez Academies, San Diego, CA. Implemented inquiry based and research based curriculum in science, math, and social studies classrooms. Was hired as one of the initial staff members during the school's initial year of operation (Charter school that assumed control of King Elementary). This poverty-stricken Hispanic and African-American school was one of the lowest achieving schools in the state of California. During the 2005-2006 school year King-Chavez Academies Academic Performance Index score increased by 124 points (one of the largest gains in California state history).
- 2000-2005. *5th Grade Classroom Teacher*. Eckert Intermediate School, Houston, TX. Implemented inquiry based and research based curriculum in general science classrooms.

2006-2015 *Athletic Coach.* Head basketball coach 9th grade boys (2006-2007), Sophomore boys (2007-2008) Charles City Iowa. 7th grade boys basketball coach (2008-2015) Waverly, Iowa.

Administrative and Other Professional Experiences

2016-Present **Professional Development School Partnership Coordinator, Irving Elementary School.**

Organized and taught a Professional Development School Model in Fall 2016 and am scheduled for Spring 2017. Pre-service students are enrolled in ELEMECML 4150 Elementary Curriculum and ELEMECML 4123 Methods of Teaching Visual and Performing Arts Integration in the Elementary Classroom. Students learn about various aspects of research-based curriculum development and teach arts-integrated lessons at Irving Elementary in Waterloo, Iowa.

Honors and Awards

2017 *Apple Polishers Award.* The SAA sponsors the awards each year to honor UNI faculty and staff members for their educational encounters and contributions to the University and the student body.

Officially nominated by:

- Mercedes Steffenson
- Hunter Flesch
- Kris Miranda
- Katie Schlawin

2015 *The Young Distinguished Alumni Award.* Coe College. Cedar Rapids, Iowa.

The Young Alumni Award is an honor which the college bestows on its alumni who are within 15 years of graduation for their service. The following criteria are used to be considered for this award:

1. Distinction in a professional field of endeavor
2. Loyalty to Coe measured in volunteer service to the Alumni Association or related activities (Admission assistance, career assistance, alumni events, Board of Visitors Alumni Council, or Coe Fund). Current members of Coe's Board of Trustees, Board Visitors or Alumni Council cannot receive this award while serving their term.

3. Volunteer service to the community in which the nominee resides

- 2015 *Teacher of the Week. 93.5 The Mix.* Cedar Falls, Iowa.
- Sponsored by University Book and Supply, Stuff etc., Cedar Valley Stand for the Silent, Little Caesars Pizza, Roling Ford, Waterloo Center for the Arts.
- 2012 *The Presidential Award in Excellence in Math and Science Teaching.* Washington, D.C.
- The Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) are the highest honors bestowed by the United States government specifically for K-12 mathematics and science teaching.
- 2005 *Aldine Independent School District Extra Miler Award.* Houston, Texas
- Recognition given to teachers in the Aldine Independent School District who display exemplary work ethic and find creative and effective ways to meet the needs of their students.
- 2004 *Eckert Intermediate Above and Beyond Teacher of the Year.* Houston, Texas.
- Annual award that recognizes the teacher who possess the energy to withstand a taxing schedule to inspire students of all backgrounds and abilities to learn.
- 2002 *Aldine Independent School District Council of the PTA's Educator of the Year.* Houston, Texas.
- The recognition is intended to recognize individual teachers for sustained performance of excellence in teaching that incites intellectual curiosity in students.

Research Experience and Scholarly Activities

Publications

Teske, J., Clausen, C. K., Gray, P., Smith, L. L., Al Subia, S., Rod Szabo, M., Kuhn, K., Gordon, M., & Rule, A. C. (2017). Creativity of third graders' leadership cartoons: Comparison of mood-enhanced to neutral conditions. *Thinking Skills and Creativity*.

- McDermott, M. & Kuhn, M. (2017). Introducing the ASSIST Approach to Pre-Service STEM Teachers. *Innovations in Science Teacher Education*. (2)1.
- Kuhn, M., & McDermott, M. (2017). Using Argument-Based Inquiry Strategies for STEM Infused Science Teaching. *Science and Children*, 54(5), 80.
- Kuhn, M., Greenhalgh, S., & McDermott, M. (2016). Using Creativity from Art and Engineering to Engage Students in Science. *Journal of STEM Arts, Crafts, and Constructions*, 1(2), 2.
- Kuhn, M. (2016). Meta-Sticks: Having Children Consider the Source of Knowledge Promotes Scientific Thinking. *Science and Children*. 53 (8). 32-35.
- Kuhn, M. (2015). Using Student Knowledge to Enhance Inquiry: A Theoretical and Practical View of Negotiation in a Science Classroom. *The Journal of Educational Enquiry*. 14 (3). 37-50.
- Kuhn, M. (2015). Shut Up and Listen! How Experiences as a Learner and a Culture Shock Shifted my Focus of Teacher Knowledge in a Science Classroom. *The Qualitative Report*, 20 (11), 1765-1771.
- Kuhn, M. (2015). Encouraging Teachers to W.A.I.T Before Engaging Students In Next Generation Science Standards STEAM Activities., *The STEAM Journal: Vol. 2: Iss. 1, Article 15*. DOI: 10.5642/steam.20150201.15.
- Teske, J. K., Gray, P., Kuhn, M. A., Clausen, C. K., Smith, L. L., Alsubia, S. A., Ghayoorad, M., Rule, A. C., & Schneider, J. S. (2014). Teacher-made tactile science materials with critical and creative thinking activities for learners including those with visual impairments. *ERIC Document Information System No. ED547679*.
- Kuhn, M., & Bransfield R. (2014). Divergent Opinions on Proper Lyme Disease Diagnosis and Implementations for Children Co-Morbid With Autism Spectrum Disorder. *Medical Hypothesis*. (83) 3: 321-324.
- Kuhn M, Grave S, Bransfield R, Harris S. (2012). Long term antibiotic therapy may be an effective treatment for children co-morbid with Lyme disease and Autism Spectrum Disorder. *Medical Hypothesis*. Volume 78, Issue 5, P. 559-692.
- McDermott, M. & Kuhn, M. (2012). Developing “Science Literacy Literate” Elementary Teachers with the Science Writing Heuristic Teaching Approach. *Science Teacher Education*.

Kuhn, M. & McDermott, M. (2012). Negotiating the Way to Inquiry: Encouraging negotiation early in the year promotes scientific communication. *Science and Children*. 50 (9) p. 52-57.

McDermott, M. & Kuhn, M. (2012). Communicating Like a Scientist with Multimodal Writing. *Teaching Science*, 58 (2): 53 – 55.

McDermott, M., & Kuhn, M. (2011). Utilizing Writing for Alternative Audiences in a College Integrated Science Course, *Journal of College Science Teaching*, 41(1): 40 – 45.

Editor-Reviewed Publications

Kuhn, M. (2014). What We Have Here is a Failure to Communicate: Evaluating Negotiation in an Elementary Science Classroom. *California Classroom Science*. Vol. 26 No. 8.

Conference Papers

McDermott, M, Graf, K, Kuhn, M. (2016, January), *The Argument-based Strategies for STEM Infused Science Teaching (ASSIST) Approach – Initial Teacher Perceptions and Implementation Challenges*. Paper presented at the Association for Science Teacher Education Conference, Reno, NV.

Technical Reports

Montgomery, S., & Kuhn, M. (2016). *Annual Program Review Report for MAE in Elementary Education Program*. Department of Curriculum & Instruction, University of Northern Iowa.

Student Scholarships and Grants Funded

2015	Lilly, Sarah, Grace Full AIIBL Grant (\$1,500)
2014-2015	May Smith & Amy Arey Scholarship (1,869.50)
2014-2015	Graduate College Tuition Scholarship (\$2,640)
2014-2015	Ross/Jeanne Nielsen Grad Scholarship (\$1,796)
2013-2014	Ross/Jeanne Nielsen Grad Scholarship (\$865)
2013-2014	John J Kamerick Fellowship (\$343)
2013-2014	Arlene Estes Scholarship (\$1,472)
2013	Target Field Trip Grant (\$1,000)
2013	McElroy Excellence in Education Grant (\$700)
2012	McElroy Excellence in Education Grant (\$1,000)
2011	Wal-Mart Field Trip Grant (\$800)
2010	Target Field Trip Grant (\$1,500)
2009	Wal-Mart Field Trip Grant (\$1,000)

2008 Wal-Mart Field Trip Grant (\$1,000)

Professional Presentations

National/International Presentation

Kuhn M. (2017, April). A Response to Intervention Model for Argument-Based Inquiry: The Importance of using Student Writing to Find out What They Really Know. National Science Teacher Association (NSTA). Los Angeles, California.

Kuhn M. & McDermott, M. (2017, April). The Relationship Between Dialogic Teacher Feedback and Student Outcomes on Standardized Science Assessment. National Association for Research in Science Teaching (NARST). SanAntonio, Texas.

Kuhn, M. & McDermott, M. (2017, January). How teacher confidence to facilitate Student-driven negotiation is impacted by participation in PLC Groups and Summer Workshop Experiences. The Association for Science Teacher Education Conference (ASTE). Des Moines, Iowa.

Kuhn, M. (2016, July) Investigation or Model: Two Argument-Based Inquiry Approaches to the NGSS. National Science Teacher Association 2016 STEM Forum & Expo. Denver, Colorado.

McDermott, M. & Kuhn, M (2016, April). Using the ASSIST Approach (Argument-Based Strategies For STEM Infused Science Teaching) in an Elementary Classroom. National Science Teacher Association (NSTA). Nashville, Tennessee.

McDermott, M, Graf, K, Kuhn, M. (2016, January), The Argument-based Strategies for STEM Infused Science Teaching (ASSIST) Approach – Initial Teacher Perceptions and Implementation Challenges. The Association for Science Teacher Education Conference (ASTE). Reno, NV.

McDermott, M., Hand, B., Kuhn, M., (2015, January). Instituting a Teacher Led Professional Development to Improve Argument Based Instruction. Association for Science Teacher Association (ASTE). Portland, OR.

Kuhn, M. (2015, March). Meta-Sticks: A Novel Way to Promote Negotiation in the Classroom. National Science Teacher Association (NSTA). Chicago, Illinois.

Kuhn, M. (2013, January). The Correlation Between Borrelia Infections and Autism Spectrum Disorder. International Autism Healing Day. Corona, California.

Kuhn, M. (2012, November). Lyme and Autism. International Lyme and Associated Disease conference. Boston, Massachusetts.

Regional, State, and Sectional Presentations

- Reed, T. & Kuhn, M. (2016, October). Making Assessment Meaningful: A Cumulative Project Where Pre-Service Teachers Create Unit Plans Aligned to the Next Generation Science Standards. Science Teaching Section/ Iowa Council of Teachers. of Mathematics (ISTS-ICTM) Fall Conference. West Des Moines, Iowa.
- Kuhn (2016, March). Using Dialogic Feedback to Moderate the Relationship Between Knowledge of Learners and Student Performance on Assessment. Education Summit. University of Northern Iowa. Cedar Falls, Iowa
- Kuhn, M. (2015, November). Using an Argument-Based Inquiry Approach to Address Difficult to Teach NGSS Standards. STEM Pre-Service Teacher Conference. Coralville, Iowa.
- Kuhn, M. (2015, September). Developing a “Cognitively Safe” Classroom. Iowa Academy of Science Iowa Science Teaching Section/ Iowa Council of Teachers. of Mathematics (ISTS-ICTM) Fall Conference. West Des Moines, Iowa.
- McDermott, M.; Graf, K.; Kuhn, M. (2015, September). Argument-Based Strategies For STEM Infused Science Teaching- The ASSIST Approach. Iowa Academy of Science Iowa Science Teaching Section/ Iowa Council of Teachers. of Mathematics (ISTS-ICTM) Fall Conference. West Des Moines, Iowa.
- Kuhn (2015, April). Maintaining a Growth Mindset in a Data Driven World. Make Teaching Your Masterpiece Conference. Iowa City, Iowa.
- Kuhn (2015, May). Developing Scientifically Literate Children: From Theory to Practice. Educational Summit on STEM, Literacy and Rural Education, University of Northern Iowa. Cedar Falls, Iowa.
- Rule, A. C., Schneider, J. S., Clausen, C. K., Gray, P., Kuhn, M., Smith, L., & Teske, J. (2014, October). Teacher-made tactile science materials for gifted learners with visual impairments. Iowa Talented and Gifted (ITAG) Annual Conference: Reaching for the Future. Airport Holiday Inn, Des Moines, Iowa.
- Kuhn, M. (2014, October) Meta-Sticks: Enhancing Classroom Negotiation through Student Evaluation of Evidence. Iowa Academy of Science Iowa Science Teaching Section/ Iowa Council of Teachers. of Mathematics (ISTS-ICTM) Fall Conference. Ames, Iowa.
- Kuhn, M. (2014, July). The Science Writing Heuristic: Engaging Students with Classroom Negotiation. Iowa Family and Consumer Sciences Educators Conference Fall Conference. Cedar Rapids, Iowa.
- Elser, C., Corkery, S., Kuhn, M. (2014, June). Parent Perspectives of Inclusion. Midwest Summer Institute: Inclusion and Communication for All. University of Northern Iowa. Cedar Falls, Iowa.

Kuhn, M. (2014, April). The Role of Negotiation in Inquiry. Science Education Update Conference. University of Northern Iowa. Cedar Falls, Iowa.

McDermott, M. & Kuhn. (2012, April). Collaboration of College and Elementary Students to Achieve Understanding. Science Writing Heuristic Conference. West Des Moines, Iowa.

McDermott, M. & Kuhn, M. (2011, October). Using Multimodal Writing Tasks in Science Classrooms. Presentation at Iowa Academy of Science Iowa Science Teaching Section (ISTS) Fall Conference. Ames, IA.

McDermott, M., Kuhn, M. (2010, October) Developing Pre-Service Elementary Education Science Courses through Collaboration with Practicing Teachers. Accepted for presentation at Iowa Science Teachers Conference, Ames, IA:

Plenary Speaker

Kuhn, M. (2015, April). The Importance of Being a Scientifically Literate Citizen. Coe College Educational Symposium. Cedar Rapids, Iowa.

Professional Development Activities/Workshops

June 2014. *Waverly-Shell Rock Professional Development*. Primary Investigator/designer/implementer of a three-day professional development for twenty-five K-8 teachers in the WSR school district. The professional development focused on the aspect of negotiation as a learning tool in science classrooms.

June 2013. *Waverly-Shell Rock Professional Development*. Designed and implemented training for fifty teachers from Waverly-Shell Rock, and Janesville School District. Professional development revolved around introducing teachers new to SWH. Further work included creating a website where SWH lessons aligned to the Next Generation Science Standards were created. www.waverlyshellrockswh.weebly.com.

June 2012. *Waverly-Shell Rock Professional Development*. Designed and implemented training for sixty-five teachers from Waverly-Shell Rock, Waterloo, and Janesville School District. Professional development revolved around introducing teachers new to SWH and the pedagogical concepts of the approach.

June 2011. *Waverly-Shell Rock Professional Development*. Designed, implemented, and providing follow up training for ten elementary science teachers using the SWH teaching approach in the Waverly-Shell Rock District.

Grants and Fellowships Funded

Center for Educational Transformation (Implementation Funding). “The Enhancement of the Argument-based Strategies for STEM Infused Science Teaching (ASSIST) Approach Through Dialogic Teacher Feedback, as Measured By the Dialogic Feedback Teacher Observation Tool (DFOT)” (Funded for \$150,000 - renewable two years; 2016-2017).

Role: Primary Investigator, Grant Writer: The goal of this Center for Educational Transformation (CET) Implementation Funding Grant is to support teachers in dealing with an instructional issue they frequently face when attempting to implement reform-based teaching approaches in science. Specifically, the research will focus on the type of feedback teachers provide their students when they teach science using an argument based, STEM-infused approach. We are interested in exploring possible correlations between the type of feedback a teacher uses in their classroom and their epistemological beliefs about science. We will evaluate how student achievement is affected by teacher epistemological beliefs about science and their ability to enact quality dialogic feedback.

Meyer-Janssen Endowed Research Fund Grant. “The Development of a Professional Development School Through Arts-Infused-Inquiry-Based-Learning to Improve Pre-Service Students’ Understanding of Cultural Competence” (Funded for \$10,000; 2016).

Role: Co-Primary Investigator, Grant Writer: The goal of this Center for Education Transformation (CET) Seed-Funding Grant is to create a Professional Development School (PDS) partnership with Irving Elementary in the Waterloo Community School District with two courses of dual-enrolled pre-service teachers at the University of Northern Iowa. To help create a positive experience for the UNI pre-service teachers we plan to train the in-service partners in Arts-Infused-Inquiry-Based-Learning (AIIBL). Prior PDS experiences with AIIBL trained teachers have produced improved student engagement and positive attitudes towards “At-Risk” students by pre-service teachers.

College of Education Summer Enhancement Fellowship. “The Development of an Arts-Infused-Inquiry-Based Learning (AIIBL) Curriculum Through a Professional Development School Partnership With Irving Elementary.” (Funded for \$3,500; 2016).

Role: Primary Investigator: The purpose of this fellowship was to create a PDS model with a section of Elementary Curriculum and Methods of Teaching Visual and Performing Arts Integration in the Elementary Classroom with a group of teacher at Irving Elementary in the Waterloo Community School District.

Center for Educational Transformation. Literacy Through Science Phase II (Funded for \$52,952)

Role: Co-Primary Investigator: The purpose of this project is to examine appropriate integration of science and literacy in early-elementary classrooms. Many school districts are stripping science and social studies from the curriculum to devote more time to literacy instruction to raise test scores in reading. We will explore ways teachers can use an integrated STEM approach to teach the Performance Expectations of the Next Generation Science Standards and literacy standards in the Iowa Core.

Submitted Proposals

National Science Foundation. Discovery Research PreK-12

Role: Co-Primary Investigator: The current emphasis on high stakes literacy assessments have left public preschool through second grade (P-2) classrooms devoid of STEM in a mistaken belief that children must learn to read before they can read to learn. CISTEML addresses a critical need for P2 STEM through a professional development (PD) framework that assists teachers in recognizing the benefits of including STEM through the addition of STEM centers that operate alongside their existing literacy centers. These centers will provide a context for implementing argument-based, STEM infused teaching and learning practices that address the Next Generation Science Standards (NGSS) in a manner that is intellectually rigorous, highly captivating to children, and grade-level and/or individual appropriate. This framework will guide teachers in integrating planned and child-driven, inquiry-based STEM investigations seamlessly into the instructional day in ways that will support children's learning in multiple domains, including approaches to learning.

Consulting

Improving Teacher Quality State Grant Program (Title IIA). "Improving Student Science Learning through the Argument-based Strategies and STEM Infused Science Teaching (ASSIST) Approach" (Funded for \$472, 271; 2015-2017).

Consultant to PI Dr. Mark McDermott. Several school districts will employ STEM infused argument-based teaching strategies by first training a cohort of mentor teachers. The mentor teachers will then serve as teacher-leaders as the professional development expands to include more teachers.

Inquiry into Inquiry: Improving Elementary Pre-Service Teacher Education at Wartburg College - Strategic Initiative Fund Living Our Learning; Claiming Our Calling; Transforming Tomorrow Grant (Funded for \$5,000; 2012) Consultant with Dr. Mark McDermott and Dr. Kathy Book. designed to implement the SWH teaching approach in science and social studies courses at Waverly-Shell Rock School District. Grant provided funding for summer and school year professional development.

Iowa Math and Science Partnership (MSP) Title II Grant (Funded for \$416,501 June 2010 – September 2012) Consultant with PIs Dr. Mark McDermott, Dr. Brian Hand, staff at AEA 267, and the Waterloo Community School District on grant investigating the use of the Science Writing Heuristic teaching progression in combination with multimodal writing tasks over the course of three years in K – 12th grade science classrooms.

Service

National

Book Reviewer NSTA Press (2015). Reviewed various manuscripts for the NSTA Press, which includes evaluating the NSTA Proposal Questionnaire; Introduction; TOC sample chapters; and author CVs.

Associate Editor, The Journal of STEM Arts, Crafts, and Constructions (2015). Duties include: Manage the review process of 3-4 manuscripts per year- in doing so, one must locate 2-3 reviewers for each manuscript and then examine the reviews that come back to make recommendations. All reviews plus the recommendation are then sent to the Editor-in Chief, along with the names, emails, and affiliations of the reviewers. Promote the journal by telling colleagues and students about it via social media and suggesting to appropriate persons that they might submit their work. Submit a manuscript or editorial of your own as time or appropriateness permits.

State, Regional, or Sectional

Iowa Science Leadership Team Member (2016-2017). Communities of Learning Committee.

Mentor to candidates for the Presidential Award in Excellence in Science and Math Teaching (2016). Elementary Science Candidates

Iowa Governor's North East Region STEM Advisory Council Member (2015-2017). Standards Committee.

Iowa Outstanding Educators Committee (2015). Make Teaching Your Masterpiece, a conference for third year education majors, and 1st - 3rd year teachers.

Iowa Governor's North East Region STEM Advisory Council Member (2014). Standards Committee.

Guest Lecturer (2014). Coe College. Educational Foundations. Constructivism, Nominal

Grouping Technique, and Argument-Based Inquiry.

Guest Lecturer (2014). Coe College. Human Relations. Multiculturalism: experience coming from a non-diverse environment and being a first-year teacher in Houston, Texas.

Guest Speaker (2014). The Benefits of a Service Dog. Champions for Autism fundraiser. July 12. Waterloo, Iowa.

Founder and Director Shell Rock Science Club (2007-2014). After school club where students design science projects, collect data, negotiate meaning, and publish findings on a display board that is judged by faculty.

Guest Lecturer (2012). Wartburg College. Methods of Elementary Science. Conceptual Change in the Classroom.

Guest Speaker (2013). Autism and Service Dogs. Retrieving Freedom Fundraiser. May 21. Waverly, Iowa.

Board Member (2012). Autism Society of Iowa. Education Committee.

Board Member (2011). Autism Society of Iowa. Education Committee.

University

Graduate Advising

Total Number of Current Graduate Advisees

MAE 0 **Ed.D.** 1

Total Cumulative Number of UNI Graduate Advisees:

MAE 0 **Ed.D.** 1

Discussion Leader (2016). Education Summit. Women in Science. University of Northern Iowa. Cedar Falls, Iowa. November 14-15.

Guest Lecturer (2015). University of Northern Iowa. Methods for Teaching Physical Science. Implementing the Science Writing Heuristic.

Elementary Education Division Committee Member.

Student Outcomes Assessment Plan Committee Member.

Professional Memberships

Association for Science Teacher Educators (ASTE)
National Science Teachers Association (NSTA)
Iowa Science Teaching Section (ISTS)
National Council of Teachers of Mathematics (NCTM)
American Educational Research Association (AERA)

Partnerships With Schools

2016-Present

**Irving Elementary School, Waterloo, Iowa
Professional Development School Partnership**

Undergraduate Honors Thesis

Director

2016-Present Bridget Tharp

Title TBD