

## Laura Ascherl Morris

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<u>EDUCATION</u>	<u>DEGREE:</u>	<u>MAJOR:</u>	<u>DATE</u>
University of Denver	Ph.D.	Curriculum & Instruction Focus: Math Education	projected 2020
Texas State University San Marcos	M.Ed.	Math Education	2005
Texas State University San Marcos	B.S.	Mathematics	2003

<u>CURRENT EMPLOYER:</u>	<u>POSITION:</u>	<u>DATE:</u>
Angelo State University	Dual Credit Instructor	2019-present
Burnet High School	Mathematics Teacher	2018-present
Marsico Institute	Graduate Research Assistant	2014-present
Morgridge College, University of Denver		

<u>PROFESSIONAL EMPLOYER</u>	<u>POSITION</u>	<u>DATE</u>
<b>International Baccalaureate</b> Bethesda, MD	School Evaluator Workshop Leader	2007 – Present
<b>International Baccalaureate</b> Bethesda, MD	Online Inquiry-Based Teaching Malaysia	2012
<b>Houston Independent School District</b> Houston, TX	Math Instructional Specialist	2008–2012
<b>Houston Independent School District</b> Houston, TX	Mathematics Teacher Algebra Teacher	2005–2008
<b>San Marcos Academy</b> San Marcos, Texas	Middle & High School Teacher Math 8– 12; U.S. & Texas History	2002–2005
<b>Wonderland School</b> San Marcos, Texas	Elementary and Early Childhood Teacher	1990–2002

### UNIVERSITY TEACHING

**Co-Teacher** with Dr. Julie Sarama  
University of Denver (Denver, CO)

- CUI 4640/Improving Elementary Math Instruction (Winter Quarter, 2017)

#### **Guest Lecturer**

University of Denver (Denver, CO)

- CUI 4720/Discourse in the Math Classroom: *Talking Mathematics* (Autumn, 2015)
- CUI 4620/Social Research in Math Education: *Curriculum, Equity, and Mathematics Education* (Spring 2015)

### PRESENTATIONS

**Morris, L. A.**, (2017, December) *Deepening understanding of learning trajectories* Phoenix Institute for Early Childhood Education Year 4, Phoenix, AZ.

**Morris, L.A.**, (2017, October) *Why is it okay to be bad at math?* Issues and Ideas presentation at the American Association of Teaching and Curriculum, 24<sup>th</sup> Annual Conference, Denver CO.

- Morris, L.A.**, (2017, April) *Geometric Understanding: A Multi-Level Analysis* University of Denver Research Performance Summit, Denver, CO.
- Morris, L.A.**, (2017, March) *Formative Assessment of Geometric Learning in Young Children*, Graland Country Day School, Denver, CO.
- Sarama, J., **Morris, L.A.**, (2017, March) *Teaching Shapes and Shape Composition to Young Children*, Eagle County School District, Colorado Mountain College, Edwards, CO.
- Morris, L.A.**, (2017, January) *Counting, Shape, and Measurement Learning Trajectories*, Graland Country Day School, Denver, CO.
- Clements, D., Ellis, H., **Dietert, L.**, Polson, K., Germeroth, C., Day-Hess, C., (2016, November) *Teaching Geometry to Young Children*, National Council of Teachers of Mathematics, Innov8 Conference, St. Louis, MO.
- Sarama, J., **Morris, L.**, (2016, October) *Learning and Teaching with Learning Trajectories in Early Childhood Math*, Eagle County School District, Colorado Mountain College, Edwards, CO.
- Dietert, L.**, (2016, October) *Questioning Practices in a C4L Pre-K Classroom*. Poster presented at American Association of Teaching and Curriculum, 23<sup>rd</sup> Annual Conference, Grand Rapids, MI.
- Ellis, H., **Dietert, L.**, Polson, K., (2016, February) *Teaching Geometry to Young Children: Modeling how young children can learn correct mathematical attributes of geometry shapes*. Rocky Mountain Early Childhood Conference, Denver, CO.
- Dietert, L.**, Keynote Speaker (2016, January) *Marvelous Math: Presenting research by Drs. Julie Sarama and Doug Clements highlighting the importance of mathematical learning for young children*. Northeastern Junior College Early Childhood Education Conference, Sterling, CO.
- Sarama, J., **Dietert, L.**, (2015, February) *Connect4Learning: An interdisciplinary pre-kindergarten curriculum*. Rocky mountain Early Childhood Conference, Denver, CO.
- Germeroth, C., **Dietert, L.**, (2015, February) *Using Classroom Video to Improve Coaching in an Early Childhood Classroom*. Rocky Mountain Early Childhood Conference, Denver, CO.
- Clements, D., Sarama, J., Van Dine, D., Germeroth, C., Day-Hess, C., **Dietert, L.**, (2015 - 2016) *Professional Development Facilitator: Building Blocks Pre-K*. New York, NY.

### **RESEARCH EXPERIENCE**

The Marsico Institute for Early Learning and Literacy, 2016 to present.

**Heising-Simons Foundation research grant:** Development and Research in Early Mathematics Education (DREME) Network: Math and Executive Function Project (EF).

- Edited math lessons and code sheets to measure concurrent mathematical gains and executive functioning in both number and geometry
- Edited and helped re-code the Research-based Early Mathematics Assessment (REMA)
- Certify assessors to administer REMA.
- Work with principle investigator(s) to edit math lessons and code sheets to measure concurrent mathematical gains and executive functioning gains in both number and geometry.
- Assess, pair, and teach 4-year-olds both number and geometry lessons over time to show growth in EF and/or mathematics.
- Enter data and code mathematical and EF behaviors and development.

The Marsico Institute for Early Learning and Literacy, 2014- 2016.

**National Science Foundation (NSF) research grant:** Connect4Learning Early Childhood Education in the Context of Math Science and Literacy: Pre-kindergarten curriculum connecting four basic domains of learning. The researchers believe Connect4Learning curriculum will encourage all children to develop their full potential in all four areas-a potential that is greater than often realized.

- Worked with principle investigators to support the implementation of Connect4Learning (C4L) curriculum in multiple pre-k classrooms.
- Assessed children, pre-and post, using six different assessments testing learning in each of the four domains of C4L.
- Provided coaching, including use of videos, to teachers supporting the implementation of the curriculum; focusing on whole and small group mathematics and science activities, with supporting computer games, as well as supporting self-regulation skills and scaffolded writing.
- Facilitated videotaping of each activity throughout one year of C4L curriculum implementation.
- Facilitated mathematical learning trajectory professional development.

### **WORKSHOPS**

**Morris, L.A.,** *International Baccalaureate Workshop Facilitator: Inquiry in the MYP.* (2007 to present) U.S.A & Canada.

**Morris, L.A.,** *International Baccalaureate Workshop Facilitator: Implementing the Middle Years Programme curriculum, Mathematics.* (2007 to present) U.S.A & Canada.

**Morris, L.A.,** *International Baccalaureate Workshop Facilitator: Delivering the Middle Years Programme curriculum, Mathematics.* (2007 to present) U.S.A, South America & Canada.

**Morris, L.A.,** *International Baccalaureate Workshop Facilitator: Managing Mathematics Assessment in the Middle Years Programme.* (2007 to present) U.S.A & Canada.

**Morris, L.A.,** *International Baccalaureate Workshop Facilitator: Creative Authentic Units in the Middle Years Programme curriculum.* (2007 to present) U.S.A & Canada.

### **GRANT PROPOSALS**

Comparison of urban learning styles between ELL students in Houston, Texas and Quito, Ecuador, Funds4Teachers, Funded, \$5000, Principal Investigator (2007).

### **COMMUNITY SERVICE**

#### **Math Tutor**

- Glendale Sports Center Managed by the YMCA, Denver, CO. (2016-2017)

#### **Volunteer TOEFL teacher**

- SECAP North, Quito, Ecuador (Summer 2007)

### **OTHER EDUCATIONAL EXPERIENCE**

**Texas Principle Certification Grades EC – 12**

2012

Region 4 Education Service, Houston, TX.

***EDUCATIONAL AND RESEARCH CERTIFICATIONS***

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<b>CITI Certification:</b> Conflict of Interest (COI) Course	2016
<b>CITI Certification:</b> Responsible Conduct of Research (RCR) SBER Course	2016
<b>CITI Certification:</b> SBER Research Investigators - HSR Course	2014
<b>Colorado Department of Education:</b> Mathematics Teacher; Grades 7-12	2013
<b>Texas Department of Education:</b> Principal Certification	2012
<b>Texas Department of Education:</b> Mathematics Teacher; Grades 8-12	2007

***AWARDS***

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**Facilitators Choice Award:** NSF 2016 Video Showcase. Investigating Children's Measurement through Learning Trajectories. Barrett, J., Clements, D., Sarama, J., Cullen, C., Van Dine, D., Dietert, L.

**Pi Mu Epsilon** (2003-2004), Mathematics Honor Society, Texas State University

***AFFILIATIONS***

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- National Council for Teachers of Mathematics (NCTM)
- American Association for Teaching and Curriculum (AATC)
- American Educational Research Association (AERA)
- Association of Mathematics Teacher Educators (AMTE)