

Sarah Ryan

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EDUCATION

Doctor of Philosophy – Human Development and Family Sciences	Expected December
University of Delaware, Newark, DE	2026
<u>Dissertation Title:</u> What and How Do Parents Learn from a Family Math Intervention Designed to Enhance the Quality of Family Math Engagement?	
<u>Dissertation Advisor:</u> Anamarie Whitaker	
Master of Arts – Early Childhood and Elementary Education	1996
Bank Street College of Education, New York, NY	
Bachelor of Arts – English, <i>cum laude</i>	1989
Williams College, Williamstown, MA	

EXPERIENCE

Mathematics Professional Developer , Sarah Ryan Education Consulting, LLC, Newark, DE	2014 – Present
Adjunct Professor , University of Delaware, Newark, DE	2017 – 2024
Mathematics Professional Developer , Math and Science Education Resource Center, University of Delaware, Newark, DE	2008 – 2013
Adjunct Professor , Leadership in Mathematics Education Program, Bank Street College of Education, New York, NY	2006 – 2008
Elementary Mathematics Coach , New York City Public Schools, New York, NY	1999 – 2005
Elementary School Teacher (Gr. 2–5) , PS 234, New York, NY	1995 – 1998

UNIVERSITY TEACHING EXPERIENCE

University of Delaware

HDFS 412 Early Childhood Inclusive Mathematics Curriculum and Assessment

HDFS 413 Early Childhood Inclusive Science Curriculum and Assessment

Bank Street College of Education

Mathematics Leadership Summer Advisement Seminar (graduate level)

RESEARCH INTERESTS

Family Math Engagement • Early Childhood and Elementary Mathematics Education • Teacher Professional Development and Coaching

BOOKS

Ernst, K & **Ryan, S.**, (2014) *Success from the start: Your first years teaching elementary school mathematics*. National Council of Teachers of Mathematics.

OTHER PUBLICATIONS

Ryan, S. (2024). *The Activities Start the Conversation: A Case Study of the Anytime, Anywhere Family Math Intervention*. University of Delaware (Unpublished Master's thesis).

CONFERENCE PRESENTATIONS

Ryan, S. "Working with Families to Foster Confident and Capable Mathematicians and Problem Solvers." Presented at the 23rd Annual Policy & Practice Institute: Delaware's Conference on Public Education!, in Dover, DE, June 2025.

Ryan, S. "The Activities Start the Conversation: A Case Study of the Anytime, Anywhere Math Intervention." Presented at the University of Delaware Steele Symposium in Newark, DE, April 2025.

Danielson, K., Gibbons, L., Kavanagh, S., **Ryan.**, S., Prough, S. "Behind the Curtain: How Professional Development Providers Facilitated Job-Embedded Teacher Learning Experiences across Math and Literacy." Presented at the NCTE and NCTM 2024 Joint Conference in New Orleans, LA, June 2024.

Ryan, S. "Anytime, Anywhere Math – Engaging Young Children and Families with Math in Nature." Presented at the In Bloom in Delaware Conference, Newark, DE, April 2023.

Ryan, S. "Anytime, Anywhere Math: Engaging Young Children and Families in Math Every Day." Presented at the National Family Engagement Summit, Kansas City, MO, October 2023.

Ryan, S. & Werner, S. "The Power of Representations: Coaching New Teachers to Focus on Mathematical Concepts and Relationships." Presented at the National Council for Supervisors of Mathematics Annual Conference in Oakland, CA, April 2016.

Ryan, S. "Supporting Young Children in Solving Story Problems." Presented at the National Council for Teachers of Mathematics Regional Conference in Atlantic City, NJ, October 2015.

Ryan, S. "Connected Knowledge: Another Way to Explain Learning Math with Understanding."
Presented at the National Council for Supervisors of Mathematics Annual Conference in
Philadelphia, PA, April 2012.

Parsons, J., **Ryan, S.**, & Maxwell, V. "Elementary Mathematics Teacher Leadership: Building
Content and Capacity". Presented at the Association for Mathematics Teacher Educators
Annual Conference in Fort Worth, TX, February 2012.

RESEARCH EXPERIENCE

Research Practice Partnership for Professional Learning in Early Mathematics (RPP-PEM) (2024 – 2025) – Served as a partner on an NSF funded grant led by Dr. Lynsey Gibbons and Annastasia Purinton to develop a partnership between the Delaware Department of Education and the University of Delaware to support early childhood teachers PK–Grade 3.

Translating and Understanding Professional Learning (TUPL) (2021–2025) – Served as a math coach and collected data as part of an NSF funded project led by Dr. James Hiebert.

Understanding How Elementary Teachers Take Up Discussion Practices to Promote Disciplinary Learning and Equity (2021–2024) – Designed and delivered professional development and collected data as part of project led by Dr. Lynsey Gibbons and funded by the JS McDonnell Foundation.

Elementary Math Teaching Leadership Project, Math and Science Education Resource Center at the University of Delaware (2009–2012) – Designed and delivered professional development and collected data as part of a Delaware Mathematics and Science Partnership Grant (MSP).

Reconceptualizing Mathematics Teaching and Learning Through Professional Development, New York Community School District 2 (1998–2003) – Worked as a district level math coach and collected data as part of a large-scale NSF funded project to implement standards-based curriculum materials.

Mathematics in the City Project, City College of NY (1995–2000) – Participated as a classroom teacher in an NSF funded professional develop project led by Dr. Catherine Twomey Fosnot.

HONORS AND AWARDS

Lynn Okagaki Graduate Tuition Scholarship in Human Development and Family Sciences
2025 Steele Symposium Excellence in Graduate Research Award (3rd place)

PROFESSIONAL SERVICE

Reviewer, International Journal of Early Childhood Education
Planning Committee, 2026 Cross University Collaborative Mentoring Conference at the
University of Delaware

PROFESSIONAL MEMBERSHIPS

National Association for the Education of Young Children
Delaware Association for the Education of Young Children
National Council of Teachers of Mathematics
National Council of Supervisors of Mathematics
Association for Supervision and Curriculum Development

PROFESSIONAL LICENSES

New York State Teaching License; Preschool – Grade 6 (permanent)
Delaware State Teaching License; Birth – Grade 2 (expired)
Delaware State Teaching License; Grades K – 6 (expired)