

**Education**

<b>School of Education, St. John's University</b> School Building Leader Advanced Certificate	Queens, NY 2022
<b>Teachers College, Columbia University</b> Doctor of Education, Mathematics Education Dissertation: A supplemental geometry unit to enhance eighth grade van hiele thinking levels.	New York, NY 1996
<b>Brooklyn College</b> Master of Science, Mathematics Education Thesis: Developing probability understandings in grade 3	Brooklyn, NY 1989
<b>St. John's University</b> Bachelor of Science, Elementary Education and Mathematics	Staten Island, NY 1987

**Certifications**

Online Teaching Essentials	2019
New York State Teacher Certification, Grades N-6	1987
New York State Teacher Certification, Mathematics Grades 7-12	1988

**Experience**

**Administration**

*St. John's University, School of Education*

Program Coordinator, Graduate Studies	April 2020-June 2021
Associate Dean, Staten Island Campus	August 2016-July 2018
Program Coordinator, Staten Island Campus	September 2008-July 2016
Assistant Chairperson, Department of Curriculum and Instruction	September 2013-May 2015
Director of Field Experiences, Staten Island Campus	September 2013-May 2015

Responsibilities:

- Support accreditation and assessment efforts (data analysis, annual program reporting)
- Design and facilitate graduate student seminars regarding program requirements, certification requirements, student teaching, and the edTPA
- Compile and maintain Graduate Student Handbook
- Schedule undergraduate and graduate course offerings

- Program first-year students, evaluate transcripts, monitor admissions, and ensure graduation compliance
- Supervise support staff
- Recruit adjunct faculty
- Conduct classroom observations of adjunct faculty
- Establish school-university partnerships inclusive of a year-long student teaching framework
- Coordinate student teaching placements, mentor field supervisors and facilitate related seminar sessions

## Teaching

*St. John's University, School of Education*

Professor	September 2014-present
Associate Professor	September 2006-August 2014
Assistant Professor	September 2000-August 2006
Adjunct Assistant Professor	September 1999-December 1999

### Responsibilities:

- Teach undergraduate, graduate, and doctoral students

#### *Courses Taught*

##### Undergraduate

- Methods of Teaching Mathematics: Childhood
- Mathematics Content for Elementary School Teachers
- Educational Theory to Practice: Childhood
- Educational Theory to Practice: Adolescence
- Foundations of Education
- Methods of Teaching Secondary School
- Technology and Society: School, Community, Workplace
- Human Learning and Development

##### Graduate

- Current Research Trends in the Teaching of Mathematics: Childhood
- Teaching and Learning: Childhood
- Teaching and Learning: Adolescence
- Assessment and Evaluation
- Mathematics Content and Practices: Grades 7-12

##### Doctoral

- Families and Communities as Partners in Education

##### Online Undergraduate and Graduate

- Methods of Geometry Instruction
- Mathematics Content, Curriculum, and Instruction: Childhood

- Mathematics Content, Curriculum, and Instruction: Adolescence
  - Advise/mentor undergraduate, graduate, and doctoral students
  - Moderate student organizations (Kappa Delta Pi Education Society chapter organizations, John Dewey Society)
  - Mentor non-tenured faculty
  - Serve on doctoral committees (programming, qualifying exam, dissertation proposal)
  - Grade doctoral comprehensive exam questions
  - Serve on university and school accreditation committees (Middle States Commission on Higher Education, Teacher Education Accreditation Council, Association for Advancing Quality in Educator Preparation)
  - Serve on school, college, and university committees
    - Academic Fairness
    - School Personnel and Budget
    - University Personnel Committee
    - Graduate Council
    - Institutional Review Board
  - Mentor Master’s degree theses
  - Provide mathematics professional development
    - Populations served: public (inclusive of Charter schools) and nonpublic elementary and middle schools in the five boroughs of New York City

*Wagner College, Department of Education*  
Adjunct Assistant Professor

Staten Island, New York  
January 1997 –May 1999

*Brooklyn College, School of Education*  
Adjunct Assistant Professor  
Adjunct Instructor

Brooklyn, New York  
September 1992-June 1998  
September 1990-June 1992

*Fontbonne Hall Academy High School, Mathematics Department*  
Teacher

Brooklyn, New York  
September 1997-August 2000

*St. Anselm School*  
Teacher

Brooklyn, New York  
September 1987-August 1997

**Select Academic Awards and Honors**

Kappa Delta Pi Northeast Regional Counselor Award	2021
Literacy Advocate of the Year, Staten Island Reading Association	2016

Academic Service-Learning Award, St. John's University	2013
Our Lady of Mount Carmel/St. Benedicta School Honoree	2013
Staten Island Center for Independent Living, Inc. Honoree	2013
Teacher of Honor Award, Kappa Delta Pi International Honor Society in Education	2012

## Publications

### Books

- Mistretta, R.M. (2016). *Parents matter: Supporting your child with math in grades k through 8*. Lanham, MD: Rowman & Littlefield Education.
- Mistretta, R.M. (2015). *Using teacher inquiry for knowing and supporting parents with mathematics*. Lanham, MD: Rowman & Littlefield Education.
- Mistretta, R.M. (2008). *Teachers engaging parents in mathematical learning: Nurturing productive collaboration*. Lanham, MD: Rowman & Littlefield Education.

### Book Chapters

- Mistretta, R.M. (2012). Mathematics teachers' support of parents: The role of inquiry. In B. Boufoy-Bastick (Ed.), *The International Handbook Of Cultures Of Professional Development For Teachers, Collaboration, Reflection, Management And Policy* (pp. 329-342). Paris, France: Analytrics.
- Mistretta, R.M. (2008). Cultivating parent-child collaboration concerning mathematical learning: A necessary objective for teacher preparation programs. In C.J. Craig & L.F. Deretchin (Eds.), *Teacher Education Yearbook XVI: Imagining a Renaissance in Teacher Education* (pp. 348-362). Lanham, MD: Rowman & Littlefield Education.

### Articles

- Wilkerson, T. L., Mistretta, R. M., Adcock, J., Yoder, G. B., Johnston, E., Bu, L., ... & Booher, L. (2022). Effects of Language on Children's Understanding of Mathematics. *The Electronic Journal for Research in Science & Mathematics Education*, 26(2), 7-31.  
<https://ejrsme.icrsme.com/article/view/21262>
- Mistretta, R.M. (2021). Responding to parents' voices about math. *Teacher Advocate*,  
[https://blog.kdp.org/2021/12/14/responding-to-parents-voices-about-math/?\\_zs=jrona&\\_zl=2NTs2](https://blog.kdp.org/2021/12/14/responding-to-parents-voices-about-math/?_zs=jrona&_zl=2NTs2)
- Mistretta, R.M. (2020). Learning with and from school-aged children: Implications for mathematics methods coursework design. *Investigations In Mathematics Learning*.  
<https://doi.org/10.1080/19477503.2020.1811025>

- Mistretta, R.M. (2017). Conversations with family members about math. *School Community Journal* 27(1), 181-200.
- Mistretta, R.M. (2013). "We do care," Say parents. *Teaching Children Mathematics* 19(9), 572-580.
- Mistretta, R.M. (2013). Becoming "in the know" about parent-child collaborations in mathematics. *Mathematics Teacher Educator*, 1(2), 5-15.
- Mistretta, R.M. (2013). 3 steps to stimulate your practice. *New Teacher Advocate*. Spring Issue, 12-13.
- Mistretta, R.M. (2012). 3 steps, 1 goal: Teacher teams boost instruction using 3-part learning design. *Journal of Staff Development*, 33(6), 60-63.
- Mistretta, R.M. (2012). Preparing teachers to cultivate parent-child collaboration in mathematics. *Journal of Mathematics Education Leadership*. 14(1), 63-71.
- Mistretta, R.M. (2006). Vincentian mission: Opportunity and responsibility. *Center for Teaching and Learning Newsletter*, 12(4), 1-2.
- Mistretta, R.M. (2005). Mathematics instructional design: Observations from the field. *The Teacher Educator*, 41(1), 16-33.
- Mistretta, R.M. (2005). Integrating technology into the mathematics classroom: The role of teacher preparation programs. *The Mathematics Educator*, 15(1), 18-24.
- Mistretta, R.M. (2004). Teacher reflections on the challenges of teaching mathematics and professional development design. *New York State Mathematics Teachers' Journal*, 54(3), 9-12.
- Mistretta, R.M. (2004). Parental issues and perspectives involving mathematics education in elementary and middle school settings. *Action in Teacher Education*, 26(2), 69-76.
- Mistretta, R.M. (2003). Intersecting and perpendicular lines: Activities to prevent misconceptions. *Mathematics Teaching in the Middle School*, 9(2), 84-91.
- Mistretta, R.M. (2001). Accelerated mathematics programs: Do they also accelerate interest? *New York State Mathematics Teachers' Journal*, 51(3), 173-176.
- Mistretta, R.M., & Porzio, J. (2001). Math by the month: Principles and standards for school mathematics in the classroom. *Teaching Children Mathematics*, 7(8), 472-473.
- Mistretta, R.M. (2001). Math by the month: March ahead to basics. *Teaching Children Mathematics*, 7(7), 416-417.
- Mistretta, R.M., & Porzio, J. (2001). Math by the month: People, places and mathematics. *Teaching Children Mathematics*, 7(6), 344-345.

Mistretta, R.M., & Porzio, J. (2001). Math by the month: Solving problems. *Teaching Children Mathematics*, 7(5), 280-281.

Mistretta, R.M., & Porzio, J. (2000). Math by the month: It's about time. *Teaching Children Mathematics*, 7(4), 224-225.

Mistretta, R.M., & Porzio, J. (2000). Math by the month: Election mathematics. *Teaching Children Mathematics*, 7(3), 160-161.

Mistretta, R.M., & Porzio, J. (2000). Math by the month: Celebrate metric day. *Teaching Children Mathematics*, 7(2), 96-97.

Mistretta, R.M., & Porzio, J. (2000). Math by the month: Using manipulatives to show what we know. *Teaching Children Mathematics*, 7(1), 32-33.

Mistretta, R.M. (2000). Enhancing geometric reasoning. *Adolescence*, 35(138), 365-379.

#### Proceedings

Mistretta, R.M. (2020). Designing learning experiences for mathematics teacher preparation. *Annual Research Conference Proceedings of the Association of Teacher Educators*, <https://ate-proceedings.org/2020/11/02/designing-learning-experiences-for-mathematics-teacher-preparation/>

Mistretta, R.M. (2010). The impact of engaging families on mathematics teachers' instructional practices." *Peer-Reviewed Proceedings of the 2<sup>nd</sup> Annual Meeting of the International Conference on Education, Economy, and Society* [CD-ROM]. Paris, France: Analytrics. *Later invited to revise and publish as a chapter in Analytrics' International Handbook Of Cultures Of Professional Development For Teachers, Collaboration, Reflection, Management And Policy.*

Mistretta, R.M. (2006). The effects of a professional development model on mathematics instruction and student achievement. *Proceedings of the 28<sup>th</sup> Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* [CD-ROM]. Merida, Yucatan, Mexico: Universidad Pedagogica Nacional.

Mistretta, R.M. (2004). Student issues and perspectives involving mathematics education in elementary and middle school settings. *Proceedings of the Twenty-Sixth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Canada*, 3, 1144-1145.

Mistretta, R.M. (2001). The mathematics learning environment: Reforms and visions for the future. *2001 International Yearbook On Teacher Education Forty-Sixth World Assembly Proceedings, USA*, [CD – ROM].

#### Book Reviews

Mistretta, R.M. (2005). Achieving quantitative literacy: An urgent challenge for higher education. [Review of book]. *Mathematics Teacher*, 98(7), 510.

Mistretta, R.M. (1999). High school mathematics at work: Essays and examples for the education of all students. [Review of book]. *Mathematics Teacher*, 92(7), 640.

#### Software Reviews

Mistretta, R.M. (2006). Martin gardner’s mathematical games: The entire collection of his scientific american columns. *Mathematics Teacher*, 99(7), 528.

#### Select Program Appearances

- 2022 (August 1) Invited Speaker, “Special Interest Groups (SIGs) Matter!” Association of Teacher Educators Roundtable Discussion.
- 2021 (August 23 & 25, September 1 & 2) Invited Speaker, “Inquiry Based Learning,” Archdiocese of New York Regional Superintendent, Principal, and Teacher Meetings for Staten Island, Manhattan, Northeast Bronx, Northwest South Bronx, Westchester, Putnam, and Dutchess Counties.
- 2021 (April 9) Invited Speaker, “Learning With and From School-Aged Children: Implications for Mathematics Methods Coursework Design,” American Education Research Association, Virtual.
- 2019 (February 19) Invited Speaker, “Exploring A Research Agenda On The Effects Of Language On Mathematical Understanding: Implications For Teacher Education,” Association of Teacher Educators, Atlanta, Georgia.
- 2019 (February 18) Program Facilitator, “Special Interest Group of Mathematics Teacher Educators,” Association of Teacher Educators, Atlanta, Georgia.
- 2019 (February 7) Invited Speaker, “Action Research and Family Engagement: Implications for Math Teacher Preparation,” Association of Mathematics Teacher Educators, Orlando, Florida.
- 2018 (February 19) Invited Speaker, “Exploring A Research Agenda On The Effects Of Language On Mathematical Understanding: Implications For Teacher Education,” Association of Teacher Educators Annual Conference, Las Vegas, Nevada.
- 2018 (February 18) Invited Speaker, “A Shared Leadership Approach for Mathematics Teacher Preparation and Professional Development,” Association of Teacher Educators Annual Conference, Las Vegas, Nevada.
- 2014 (February 15) Invited Speaker, “Experiential Learning Outcomes At Nonprofit Organizations,” Association of Teacher Educators Annual Conference, St. Louis, Missouri.
- 2013 (April 30) Invited Speaker, “Weaving Inquiry Into Practical Experiences: A Means For Informing Preservice Teachers About Parents And Math.” American Educational Research Association Annual Conference, San Francisco, California.

- 2012 (October 25) Invited Speaker, “We Do Care: What Parents Say About Helping With Math.” National Council of Teachers of Mathematics Regional Conference, Hartford, Connecticut.
- 2011 (February 16) Invited Speaker, “Supporting Connection: A School-Based Professional Development Model Involving Multi-Grade Level Communities of Practice.” Association of Teacher Educators Annual Conference, Orlando, Florida.
- 2010 (July 23) Research Session Invited Speaker, “The Impact of Engaging Families on Mathematics Teachers’ Instructional Practices.” International Conference on Education, Economy, and Society, Paris, France.

## Grants

September, 2015-June, 2016

Awarded a \$50,000 grant from Staten Island Foundation for an after-school program for English Language Learners.

Program Title: Plus Books

Principal investigator and mathematics instructor of the program serving 100 families from two schools. Children’s books about mathematical concepts are used to build both language and mathematics proficiencies.

September, 2014-June, 2015

Awarded a \$50,000 grant from Staten Island Foundation for an after-school program for English Language Learners.

Program Title: Plus Books

Principal investigator of the program that served 100 families from three schools. Children’s books about mathematical concepts were used to build both language and mathematics proficiencies.

September, 2011-June, 2012

Awarded a \$50,000 grant from Staten Island Foundation for a mathematics and science parental engagement initiative.

Program Title: In Collaboration

Principal investigator and mathematics instructor of the initiative that served pre-service teachers and 15 families in learning about meaningful collaboration among teachers, parents, and children.

September, 2010-June, 2011

Awarded a \$10,000 grant from Northfield Bank for a mathematics and science parental engagement initiative.

Program Title: In Collaboration

Principal investigator and mathematics instructor of the initiative that served 18 pre-service teachers and 15 families in learning about collaboration among teachers, parents, and children.



June, 2009

Awarded a \$150,000 grant from the Richmond County Savings Bank for the design of two Teaching and Learning Labs on the Staten Island campus of St. John’s University. Labs were designed to provide active learning environments for pre-service and in-service teachers, as well as serve the educational needs of the neighboring community of schools and families.

September, 2009-June, 2010

Awarded a \$25,000 grant from the Staten Island Foundation for a mathematics and science parental engagement initiative.

Program Title: In Collaboration

Principal investigator and mathematics instructor of the initiative that served 36 pre-service teachers and 30 families in learning about collaboration among teachers, parents, and children.

September, 2002-June, 2009

Awarded a vendor contract for \$750,000 from the New York City Department of Education under “No Child Left Behind” for Title II Professional Development For Non-Public School Teachers, Principals, and Other Appropriate Personnel.

Program Title: Project TIE: Training Innovative Educators (An English Language Arts and Mathematics Initiative)

Principal investigator for the mathematics component of Project TIE. Provided mathematics professional development services to administrators, teachers, students, and parents at 24 participating schools. The principals of the participating Pre-K to eight schools received progress reports and summaries of the provided services. Program evaluations for each year were completed and submitted to the Department of Education.

### Membership in Professional Societies

American Educational Research Association	September 2000-present
Association of Teacher Educators	September 2000-present
Co-Chair, Mathematics Teacher Educators Special Interest Group.	2010-2021
Association Development Specialist (Special Interest Groups)	2021-present
National Council of Teachers of Mathematics	September 1989-present

### Other Relevant Activities

Editorial Review Board Member, <i>School Community Journal</i>	2019-present
--	--------------