KATERI A. STERNBERG

EDUCATION

PhD	University of Delaware, Education	Expected August 2024
MEd	University of Notre Dame, Education	May 2019
BS	University of Scranton, Mathematics & Philosophy	May 2017

PUBLICATIONS

Peer-Reviewed Publications

Litke, E., Corven, J., & **Sternberg, K. A.** (2023). Algebra-focused features of instruction: an integrated investigation of curricular guidance and instructional enactment. *Journal of Mathematics Teacher Education*, 1-30. doi: 10.1007/s10857-023-09573-8

Peer-Reviewed Conference Proceedings

Sternberg, K. A. (2021). Middle school math pre-service teachers and ability-based course assignment: experiences, beliefs, and dispositions. In Olanoff, D., Johnson, K., & Spitzer, S. (Eds.) Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Philadelphia, PA.

HONORS AND AWARDS

University of Delaware Doctoral Fellowship for Excellence (\$30,000)	2023–2024
First Prize, Graduate Student Poster	2021
University of Delaware Steele Symposium	
Dean's Scholar	2019–Present
School of Education, University of Delaware	
Research Experience	
Transforming and Understanding Professional Learning,	2021-2022
University of Delaware, School of Education	
(PIs: Dr. James Hiebert, Dr. Erica Litke, Dr. Lynsey Gibbons)	
Graduate Research Assistant	

Instructional Improvement in Algebra University of Delaware, School of Education (PI: Dr. Erica Litke) *Graduate Research Assistant*

Refining Cellular Automatic Updating Rules to Model Mean Curvature Flow2015Kansas State University, Mathematics Department2015(Advisor: Dr. Jeremy LeCrone)Undergraduate Researcher

PRESENTATIONS

- Sternberg, K. Designing a Survey to Understand Teachers' Beliefs about Equity in Teaching Math. Pennsylvania Association of Mathematics Teacher Educators' 17th annual symposium, Shippensburg, PA. May 2023
- Sternberg, K. Preservice Teachers' Dispositions toward Detracking Mathematics: Four Cases of Future Middle School Math Teachers. Paper presentation. Association of Mathematics Teacher Educators, New Orleans, LA. February 2023
- Sternberg, K. Detracking Mathematics: Middle School Pre-Service Teachers' Experiences and Beliefs. Pennsylvania Association of Mathematics Teacher Educators' 16th annual symposium, Shippensburg, PA. May 2022.
- Sternberg, K. A., Litke, E., & Hiebert, J. Mathematics Coaches' Perspectives on Professional Development Experiences. Paper presentation, American Education Research Association, San Diego, CA. April 2022
- Sternberg, K. A. Middle School Math Pre-Service Teachers' Experiences with and Beliefs about Ability-Based Course Assignment. Poster, Steele Symposium, University of Delaware, Newark, DE. April 2021. First Prize, Graduate Student Poster.
- Litke, E., & Sternberg, K. A. Supporting Incremental Improvement in Algebra Teaching: A Professional Development Approach. Paper presentation. Association of Mathematics Teacher Educators (virtual). February 2021.
- Sternberg, K. Discovering Desmos. Rio Grande Valley Council of Teachers of Mathematics Fall Conference, Edinburg, TX. November 2018.

Sternberg, K., Smith, J., Reaker, A., & Comuniello, F. Your Body Speaks, Just

2019-2021

Listen! How Teachers' Gestures Affect Student Learning. Paper presentation. ACE Teaching Fellows Conference. South Bend, IN. July 2018.

- Owens, M. & **Sternberg, K.** *Mission Success: A Graphical Representation of the Resistance.* Paper presentation. Misericordia University Conference on Mathematics and Games, Dallas, PA. April 2016.
- Byrd, W. B, Gerych, W. L., & Sternberg, K. A. Refining Cellular Automatic Updating Rules to Model Mean Curvature Flow. Paper presentation. SUMaR 2015 Final Conference. Manhattan, KS. July 2015.

TEACHING EXPERIENCE

University of Delaware, Newark, DE Instructor, School of Education MATH 251: Mathematics for K-8 Teachers: Numbers & Operations MATH 252: Mathematics for K-8 Teachers: Rational Numbers & Probability	Fall 2022 Spring 2023
WATH 252. Mathematics for K-6 Teachers. Rational Numbers & Trobability	Spring 2023
Our Lady of Sorrows School, McAllen, TX	
Math Teacher, AmeriCorps Alliance for Catholic Education Teaching Fellow	
Grade 7 Math, Grade 7 Pre-Algebra	2017-2018
Grade 6 Math, Grade 7 Math, Grade 8 Algebra, Grade 8 Geometry	2018-2019
University of Scranton, Scranton, PA	
Teaching Assistant, Department of Psychology	
PSYC 330: Research Methods in the Behavioral Sciences	Spring 2016
PSYC 220: Social Psychology	Spring 2017
CRVICE	

Pennsylvania Association of Mathematics Teacher EducatorsMay 2022–PresentGraduate Student RepresentativeMay 2022–Present