

2013 2019 **Recording Secretary**, Maryland Council of Teachers of Mathematics
2008 2013 **College Level Representative**, Maryland Council of Teachers of Mathematics
~~2018~~ 2021 **M** ~~2018~~

Cooper, L., & **Tomayko, M.** (2011). Understanding place value. *Teaching Children Mathematics*, **17** (9), 558-567.

Tomayko, M. (Fall/Winter 2008). Working conditions of Maryland mathematics teachers. *Banneker Banner*

Tomayko, M. (October 1, 2021). Reimagining How Reading Assignments Are Assessed. Paper presented at University System of Maryland Center for Academic Innovation Fall Faculty Showcase.

Lottero-Perdue, P., & **Tomayko, M.**

Epistemic Practices of Engineering: Making Trade-offs and Applying Science. Paper presented at National Association for Research in Science Teaching Annual International Conference.

Tomayko, M. (September 26, 2019). From Clean Water to Flood Water: Illuminating the Mathematics in the News. Workshop presented at National Council of Teachers of Mathematics Regional Meeting.

Spitzer, S., Cooper, L., & **Tomayko, M.** (April 6, 2019). Unraveling Escher: Discovering the Workshop presented at National Council of Teachers of Mathematics Annual Meeting & Exposition.

Tomayko, M. (October 19, 2018)

Mathematics. Workshop presented at Maryland Council of Teachers of Mathematics Annual Conference.

Tomayko, M. (March 29, 2018). Pre-Service Teachers Self-Assessing TPACK Using a Visual Quantitative Model. Paper presented at Society for Information Technology and Teacher Education 29th International Conference.

Corven, J.** & **Tomayko, M.** (March 9, 2017). TPACK Radar Diagrams: A Visual Quantitative Representation for Tracking Growth of Essential Teacher Knowledge. Roundtable presented at Society for Information Technology and Teacher Education 28th International Conference.

Tomayko, M. (November 14, 2016). Finding the Right Balance when Redesigning a Pre-Calculus Course with Online Software. Paper presented at Association for the Advancement of Computing in Education E-Learn 2016 Conference.

Colvin, J.** & **Tomayko, M.** (August 25, 2016). TPACK Radar Diagrams: A Visual Quantitative Representation for Tracking Growth of Essential Teacher Knowledge. Paper presented at Department of Educational Technology & Literacy invited presentation, Towson University.

Tomayko, M. (April 30, 2016). Investigating Equations by Using Cuisenaire Rods. Workshop presented at Maryland Council of Teachers of Mathematics Regional Mini-Conference.

Tomayko, M. (November 16, 2015). Using Manipulatives in Middle School Mathematics. Invited workshop at Towson University Math Education Club.

Colvin, J.**, & **Tomayko, M.** (October 29, 2015). Putting TPACK on the Radar: A Visual Quantitative Model for Tracking Growth of Essential Teacher Knowledge. College of Education invited presentation, Towson University.

GRANTS

2022 - 2023 **Strategies for Shaping the Math Identities of Early Childhood and Elementary**

- 2009 **A College Preparation Intervention for the Geomatics Academy III at Fairmont Heights High School**
Roberge, M., Cooper, L., Shore, F., Tomayko, M., Thebpanya, P., & Thompson, V. Maryland Higher Education Commission Grant (CPIP-10-106). Role: Co-PI. Funded: \$88,522
- 2009 **A College Preparation Intervention for the Geomatics Academy at Fairmont Heights High School**
Cooper, L., Roberge, M., Tomayko, M., Thebpanya, P., & Morgan, J. Maryland Higher Education Commission Grant (CPIP-08-802). Role: Co-PI. Funded: \$63,026

SERVICE

- 2022 - present Manuscript reviewer for Mathematics Teacher: Learning and Teaching PK-12.
2011 - present Manuscript reviewer for Banneker Banner.
2010 - 2019 Manuscript reviewer for Teaching Children Mathematics.
2009 - 2019 Book reviewer for Teaching Children Mathematics.

PROFESSIONAL AFFILIATIONS

National Council of Teachers of Mathematics
Association of Maryland Mathematics Teacher Educators

MATH 681 Special Topics in Mathematics for Teachers: Student Thinking in Ratio and Proportional Reasoning
MTED 650 Mathematics in Integrated STEM Education
SEMS 240 Classroom Interactions