

CAROLINE MORANO

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Education

University of Delaware, Newark, DE
Ph.D. in Education; Specialization Learning Sciences
Advisor: Roberta Golinkoff

Expected May 2021

College of the Holy Cross, Worcester, MA
Bachelors of Arts in Psychology (Major) Education (Minor)
Cumulative GPA: 3.85/4.0

May 2017

Honors and Awards

College Honors Program; Deans List (all semesters), Patriot League Honor Roll (all semesters), Alpha Sigma Nu Honor Society (Fall 2016), Psi Chi National Honor Society (Spring 2016)

Research Experience

Child's Play, Learning, & and Development Lab

Newark, DE

Research Assistant for Dr. Roberta Golinkoff

Fall 2017- Present

- Trained preschoolers' spatial skills using an electronic application and administered spatial, math, and vocabulary assessments.
- Investigated the use of parent-child questions during play with geometric shapes.
- Coded videos of parent-child gestural interactions.
- Created stimuli to test word recognition for a study investigating how children learn new words through video.
- Administered vocabulary, comprehension, and word transfer assessments for a study examining how reading books over video chat affects learning.
- Analyzed data for a project exploring how conversational turns support language development in foster children.

Psychology Department, College of the Holy Cross

Worcester, MA

Research Assistant for Dr. Florencia Anggoro

Fall 2015-Spring 2017

- Ran participants in a federally-funded, seven-session study exploring the use of embodiment and relational scaffolding in astronomy learning.
- Coded pre-test and post-test interview videos using a 25-component scoring rubric.
- Trained other lab members in procedures.
- Assisted in data input and preliminary statistical analyses.
- Worked in revising scripts and procedures for a follow-up study investigating the feasibility of implementing lessons in classrooms.
- Administered course evaluation forms for Psychology courses.
- Assisted in reviewing evaluations and selecting new faculty members.

Publications: Journals, Book Chapters, and Blog Posts

Neale, D., Morano, C., Verdine, B. N., Golinkoff, R. M., Hirsh-Pasek, K. (In press). “Why are there big squares and little squares?” Preschoolers’ questions about shapes as an indicator of domain awareness. In L. P. Butler, S. Ronfard, & K. H. Corriveau (Eds.), *The Questioning Child: Insights from Psychology and Education*. Cambridge, UK: Cambridge University Press.

Morano, C., Neale, D., Verdine, B.N., Zimmermann, L., Golinkoff, R. M., Hirsh-Pasek, K. (In preparation). Children’s Questions About Shapes.

Barbieri, C.A, Devlin, B., Morano, C., Golinkoff, R.M., & Hirsh-Pasek, K. (July 16, 2018). *The value of numbers – math counts more than you think*. [Blog post on Blog of Learning and Development]. Retrieved from <https://bold.expert/the-value-of-numbers-math-counts-more-than-you-think/>.

Conference Presentations

Morano, C., Bustamante, A., Schlesinger, M., Golinkoff, R. M., Hirsh-Pasek, K. (2019, May). What’s Parkopolis? STEM questions in a children’s museum. In C. Morano & R. M. Golinkoff (Chairs), *Increasing STEM thinking in the real world*. Symposium conducted at the Association for Psychological Science conference, Washington, DC.

Morano, C., Neale, D., Verdine, B. Golinkoff, R.M., Hirsh-Pasek, K. (2019, March). *Parents’ and children’s’ questions: Asking about geometric shapes*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.

Morano, C. (2018 July). *How Questions Can Guide Guided Learning*. Talk given at NSF Science of Learning Meeting, Newark NJ.

Morano, C. (2018 May). *What makes a shape a shape?* CEHD Talk given at Steele Symposium, Newark DE.

Ware, C., Morano, C., Zimmermann L., Foster, L., Verdine, B., Hirsh-Pasek, K., & Golinkoff, R. M. (2018 March). *Shaping Up Play Time: Influence of Toy Type on Parent-Child Interactions?* Poster presented at the annual meeting of the Eastern Psychological Association, Philadelphia, PA.

Neale, D., Morano, C., Zimmermann, L., Verdine, B., Foster, L., Marzouk, M., Tonob, D., Hirsh-Pasek, K., & Golinkoff, R. M. (2017 October). *Preschoolers ask different questions during play with standard versus alternate shape toys*. Poster presented at the Question Asking in Childhood pre-conference, Cognitive Development Society Biennial Conference, Portland, OR.

Morano, C., Anggoro, F., Jee, B. (2017 October). *What do children's gestures tell us about their emerging understanding of space science?* Poster presented at the Cognitive Development Society Biennial Conference, Portland OR.

Morano, C. Anggoro, F., Jee, B. (2017 May). *Children's Spontaneous Gestures Before and After Learning About the Day-Night Cycle.* Poster presented at Association for Psychological Science, Boston, MA.

Jee, B., Anggoro, F., Evans, N., Murphy, N., Murphy, C., Tran, J., Morano, C., McCarthy, A., Jackson, V. (2016 August). *Using analogical comparison to help children learn the day-night cycle.* Poster presented at the Cognitive Science Society, Philadelphia, PA.

Teaching and Leadership

Reading Group

Newark DE

Graduate Student Leader

Fall 2017-Present

- Conduct weekly reading group with undergraduates on informal learning, children's questions, and spatial skills
- Taught concepts such as sampling methods, reliability measures, correlations, and significance levels
- Discussed methodology issues and brainstormed ideas for future research

Neuroscience in Education Colloquium Series

Newark DE

Committee Member

Fall 2018

- Helped organize colloquium series
- Attended dinners and lunches with visiting speakers in the field
- Chose readings for other students to read in preparation for each colloquium

Additional Skills

Statistics Course: Introduction to Statistical Inference, Multivariate Statistics, Multilevel Models

Computing: Microsoft Word, Excel, and PowerPoint; Datavyu; Final Cut; Audacity; Proficient in SPSS; experience with MATLAB, Python, and R; experience in eye gaze coding

Neuroimaging: Completed doctoral course and gained firsthand experience operating fNIRS