

Katherine (Katie) Boice King

Research Associate II, Center for Education Integrating Science, Math, & Computing (CEISMC)

Campus Location: Research Administration Building, Room 2213E

<https://lifetimelearning.gatech.edu/node/209>

RESEARCH INTERESTS:

I am interested in understanding learning across the lifespan, either in formal school settings or in informal spaces like summer programs, experiential learning professional development programs, or science festivals. Specifically, my research focuses on integrated STEAM education, out-of-school-time STEM education, culturally-responsive evaluation methods, and educator wellbeing.

TEACHING INTERESTS:

My teaching is focused on supporting undergraduate success through transition seminars, like GT 1000.

EDUCATION:

2025–present

Ph.D. student in Educational Policy, Concentration in Research, Measurement, & Statistics

Georgia State University College of Education

2016–2018

M.Ed. in Child Studies

Vanderbilt University Peabody College of Education

2012–2016

B.A. in Psychology

B.A. in Music, Vocal Performance

Emory University

RECENT SCHOLARLY OUTPUT:

King, B., Jackson, J. R., Alemdar, M., Gale, J., & Newton, S. (2025). Hello from the other side: What the COVID-19 experience taught us about how to support teachers. *Journal of Teachers and Teaching*. <https://doi.org/10.1080/13540602.2025.2582077>

Choi, J., Grossman, S., **King, K. B.**, Gnatiuk, E., & Koval, J. (2025). Conserving the 1%: STEAM-integrated project-based learning for middle school classrooms. *Current: The Journal of Marine Education*. <https://doi.org/10.5334/cjme.119>

King, K., Kessler, T., Nimox, K., Alemdar, M. (2025). Science Communication in Action: Lessons from a Mixed-Methods Case Study of a Large Science Festival. *Frontiers in Communication*. <https://doi.org/10.3389/fcomm.2025.1622230>

Choi, J., Usselman, M., Grossman, S., **Boice, K.**, Jackson, J., Kessler, T., & Alemdar, M. (2024). Evolution of a STEAM Teacher Training Program. *Journal of STEM Outreach*. <https://doi.org/10.15695/jstem/v7i1.12>

Kessler, T. C., **Boice, K.**, Koval, J., Jackson, J., Choi, J., Alemdar, M., Grossman, S., Simmons, K., & Usselman, M. (2024). Partnerships in STEAM: How collaborating with STEAM experts impacts K-12 teachers' abilities to implement STEAM lessons in the classroom. *Education Sciences*. <https://doi.org/10.3390/educsci14060666>

Boice, K., Alemdar, M., Jackson, J. R., Kessler, T., Choi, J., Grossman, S., & Usselman, M. (2024). Exploring teachers' understanding and implementation of STEAM: One size does not fit all. *Frontiers in Education*. <https://doi.org/10.3389/feduc.2024.1401191>