

Eric Hochberg

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Senior Researcher



Dr. Eric Hochberg's research and evaluation work in STEM education draws on professional experience as an upper elementary school teacher and an academic background in education policy.

At TERC, Eric directs evaluation of the Howard Hughes Medical Institute's *Backyard Wilderness* educational outreach campaign, and leads external evaluation of two university-based NSF-funded research projects, including a micro-credentialing program aimed at improving high school mathematics and science instruction in a large urban school district, and a design-based research project focused on building coherence across pre-service elementary teachers' STEM coursework. Eric's other research and evaluation experience includes exploratory work in the use of robot tools to support young children's learning in formal and informal settings, as well as projects focused on STEM teacher professional development, mentoring, and induction across a range of grade spans. Eric received specialized training at the University of Pennsylvania in field-based education research and evaluation methods through an Institute of Education Sciences funded research fellowship.

Broadly, Eric is interested in research on, and evaluation of, programs, products, and policies that are designed to support engaging and accessible STEM learning experiences. Under that umbrella, he is most interested in teaching, learning, and professional development related to preK-8 math and science, robots and other educational technologies, STEM integration with other disciplines, and STEM learning in out-of-school contexts. In his spare time, Eric enjoys playing and learning with his young children and volunteering

with community organizations.

Education

Ph.D. in Education Policy, University of Pennsylvania

Interests

Professional development
PreK-12 STEM teaching and learning
STEM integration with other disciplines
Informal learning environments
Organizational and institutional learning and evaluation

Projects

[Assessing Changes in Chemical Thinking \(ACCT\)](#)
[Backyard Wilderness](#)
[Building Coherence in STEM Learning Opportunities for Pre-Service Elementary School Teachers across Disciplinary Boundaries](#)
[Evaluating the Developing Mathematical Ideas \(DMI\) Professional Development Program](#)
[Innovators Developing Accessible Tools for Astronomy \(IDATA\)](#)
[Levels of Conceptual Understanding of Statistics \(LOCUS\)](#)
[The Milwaukee Master Teacher Partnership \(MMTP\)](#)