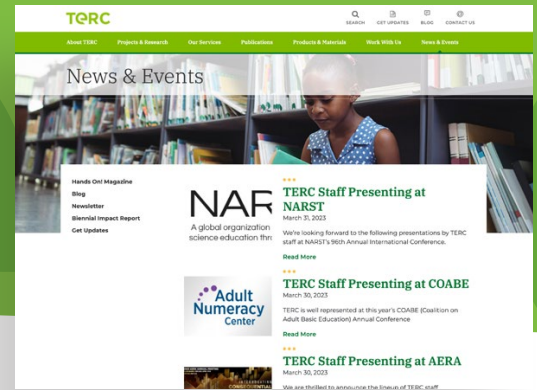


What's New at TERC.edu?



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REVISE Center

<https://www.terc.edu/projects/revise/>

We are excited to introduce the *Reimagining Equity and Values in Informal STEM Education* (REVISE) Center. In a cooperative agreement with the National Science Foundation's (NSF) Advancing Informal STEM Learning (AISL) program, this new equity resource center will serve as a critical voice and champion for advancing equity in the Informal STEM Education (ISE) field. REVISE seeks to cultivate lasting change among the ISE community and the broader STEM education ecosystem.



REVISE leverages the strength of community-building through inclusive, collaborative design, and the sharing of resources and ethical practices to establish long-lasting compassionate relationships, particularly in building trusting relationships among historically disenfranchised communities. This includes our commitment in bolstering infrastructures to extend research capacity and expand access to funding. In doing so, we will highlight more scalable, equity-focused, culturally responsive evaluation, and research findings to iteratively improve ISE programming. REVISE will additionally support increased diversity in leadership and advancing the customized adaptation of ISE program components to empower new learners and leaders with diverse perspectives to influence informal STEM.

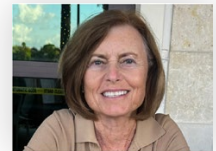
These collective efforts will promote inclusive communication and outreach that broadens participation and achieves sustained organizational change and transformative social justice, and will fortify safe spaces of belonging in STEM to create a more informed public that values STEM in everyday life, work, and global citizenship.

Nadine Bonda, New Board of Trustees Chair

<https://bit.ly/3omcHdj>

We are delighted to welcome Nadine (Binkley) Bonda, Ph.D., as the new Chair of TERC's Board of Trustees! Nadine has been a passionate supporter and advocate of TERC for many years, and her wealth of expertise and knowledge is an invaluable asset to our organization. Read on to hear directly from Nadine and learn about her background and her aspirations for TERC going forward.

I am excited and humbled to chair the Board of Trustees of TERC. TERC is an amazing nonprofit doing important research in all aspects of STEM education. In my own career, I am very interested in understanding how teachers and students think about the teaching and learning of STEM disciplines and, therefore, I am passionate about the work that TERC does.



Our Board is made up of exceptional leaders in their fields and my job is to bring those Board members together to form a cohesive group that works in the best interest of TERC. I have three personal goals this year as Chair.

- First, I want to work with the Board in supporting the President, Laurie Brennan, as she guides the organization in a year that is one of TERC's most successful in terms of grant awards.
- Second, I would like to support Board members as they work to understand how they can, in their own careers, be strong advocates for TERC.
- And third, I would like to support the Board in always keeping equity in the forefront of our minds as we carry out the work of the Board.

I am looking forward to chair the Board of Trustees of TERC and confident that we'll continue to make a positive impact on STEM education research.

How Activity Frames Shape Situated Identity Negotiation: Theoretical and Practical Insights from an Informal Engineering Education Program

<https://bit.ly/3KRGhyZ>

Smirla Ramos-Montañez and Scott Pattison, *Science Identities*

In this Chapter, Smirla and Scott draw from 4 years of identity research through the *Designing Our World* project to share a theoretical model and complementary methodological approach for understanding the interplay between agency and structure for adolescent youth (10- to 14- years old) negotiating their identities as part of an informal engineering education program.



Congrats to Storytelling Math, a collaboration between TERC and Charlesbridge Publishing, for winning multiple awards at the 2023 Mathical Book Prize!

The Mathical Book Prize is an annual award for fiction and nonfiction books that inspire children of all ages to see math in the world around them. See which books won!

<https://bit.ly/41nSdPV>



Boundary Crossing in Student-Teacher-Scientist-Partnerships: Designer Considerations and Methods to Integrate Citizen Science with School Science

<https://bit.ly/41GHZKh>

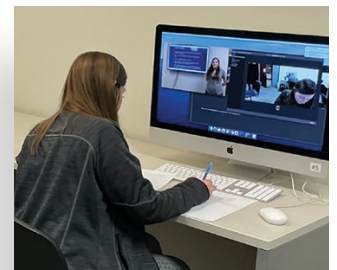
Anushree Bopardikar, Debra Bernstein, and Susan McKenney, *Instructional Science*, 2023

In this article, the authors focus on Student-Teacher-Scientist Partnerships (STSPs) which provide opportunities for students and teachers to participate in citizen science. STSPs engage with scientific concepts and practices, thereby bridging school learning with issues of importance to society, such as climate change. This three-year case study illuminates how successful designers tackled boundary crossing challenges while creating a scalable STSP for environmental education.

Supporting Math Learning Online Workshop

<https://bit.ly/3LggNgh>

This 7-week asynchronous online workshop focuses on the teacher's role in supporting the range of learners in K-5 math classrooms. Appropriate for both users and non-users of the *Investigations™* curriculum, the weekly sessions include interactive math tasks and discussions, as well as opportunities to analyze student thinking, and explore a variety of instructional strategies to effectively support and engage all students in math learning.



June 21-August 8, 2023