



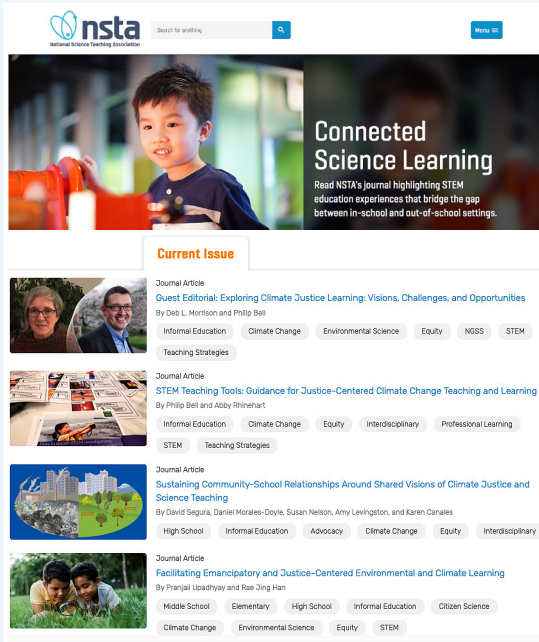
# Bridging the gap between in-school and out-of-school STEM learning:

## A research to practice study group

### ABOUT CSL

This online journal features highly effective programs and research that connect preK–16 STEM learning across settings, and that:

- **Bridge the gap** between in- and out-of-school STEM learning,
- **Incorporate blended practices** from and across formal and informal settings,
- **Illustrate authentic collaboration and co-creation** across settings and organizations, and/or
- **Utilize transdisciplinary approaches and integration** within STEM and with other fields.



[www.nsta.org/connected-science-learning](http://www.nsta.org/connected-science-learning)

### PROJECT OVERVIEW

**GOAL:** Advance the field by providing resources that empower STEM educators to design and deliver high-quality connected learning experiences based on relevant research and incorporating evidence-based practices.

#### PROCESS:

##### DEFINE

- Determine issue themes and call for contributions
- Recommend authors and recruit abstract submissions
- Review submissions and select invited authors

##### PUBLISH

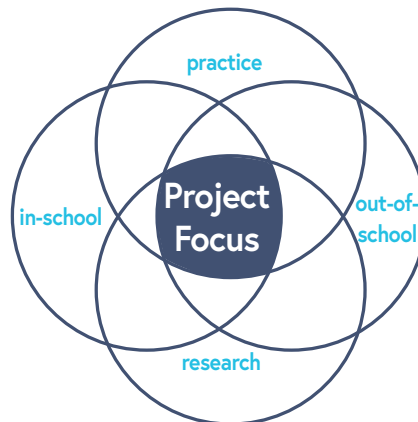
- Secure 10 invited authors to write on issue themes
- Invite additional contributions on themes through regular process
- Peer-review and publish invited articles, editorials, and regular submissions

##### DISSEMINATE

- Host web seminars and other virtual events
- Summarize existing research and future recommendations
- Produce compilation report with articles and other information
- Present at conferences

##### EVALUATE

- Consider engagement, ratings, analytics, reach, etc. of all project products
- Survey study group participants about process and products



### CSL ISSUE THEMES FOR INVITED ARTICLES

- Equity and Connection in STEM Learning Ecosystems
- Youth and Communities Taking Action Through STEM
- (Re)connecting the STEM Learning Ecosystem: Lessons From the Pandemic
- Preparing and Supporting STEM Educators in Informal and Formal Settings
- STEM Engagement: The Power of Families and Communities

Each issue is published over two months, starting November 2021 and running through August 2022

### PROJECT TEAM

**Beth Murphy, PhD:** *principal investigator & project director*  
Principal Consultant, Beth Murphy Consulting

**Dennis Schatz:** *senior advisor*  
NSTA Past President & Senior Fellow, Institute for Learning Innovation

**Flavio Mendez:** *project manager*  
NSTA Asst. Executive Director, University Partnerships & eLearning

**External evaluators:** Kelly Riedinger, Natacia Campbell, Richard Hudson

### Study Group Members Represent Broad STEM Education Expertise

- **K–12 & Higher education:** Fairfax (VA) County Public Schools, UCLA Center X, Univ. of Colorado–Boulder, Univ. of Michigan, Univ. of Texas at Austin, Western Washington Univ., US Dept. of Education
- **Nonprofit:** ASTC, California School-Age Consortium, EDC, Maine Mathematics and Science Alliance, New York Hall of Science, Techbridge Girls, TERC, Twin Cities Public Television–SciGirls
- **NSF Centers:** CADRE, CAISE, CIRCL, STELAR