

January 8th, 2025

TERC

Commitment Statement in support of the National Academies of Science, Engineering, and Medicine's Action Collaborative on Advancing Science Teaching and Learning in K-12

With a mission and deep commitment to improving STEM education for nearly 60 years, [TERC](#) works at the frontiers of theory and practice to develop a deeper understanding of learning and teaching; enhance instruction through teacher professional development; develop applications of new technologies in education; create curricula and other products; and support reform in both formal and informal settings. Our work is motivated by our ongoing pursuit of evidence for, and implementation of, inclusive and equitable STEM teaching and learning practices.

Much of the research and development work at TERC is classroom-focused, thus we have consistently strived to address the standards that teachers are compelled to comply with while focusing on joyful, active learning through inquiry. Since the advent of the frameworks and the NGSS, we have found a natural alignment with three-dimensional learning, using the practices and cross-cutting concepts to address the disciplinary core ideas.

To advance the vision put forth in the National Academies Framework TERC is joining CASTL-K12 to pursue the goal of amplifying effective and equitable implementation of *Framework*-inspired state science standards.

CASTL-K12 will pursue four primary goals:

- develop a coherent strategy for supporting implementation of science standards across states and districts,
- launch and coordinate a networked community of practice for stakeholders at all levels and across sectors,
- build on and share existing evidence-based policies, tools, and examples, and
- develop a coherent communication and engagement strategy for advancing K-12 science and engineering education broadly.

TERC commits to contributing to this effort by facilitating alignment across research, practice, and policy in public K-12 educational spaces throughout the country. To do this, TERC's CASTL-12 representatives will keep TERC staff abreast of the challenges and advances that the community of practice identifies as important. This will engage the TERC organization as a whole to play a role in researching and developing more effective and equitable alignment of curriculum and implementation of standards for advancing STEM education.

While constantly innovating and addressing issues of the future, TERC's work will continue to pay careful attention to equity and inclusion, while facilitating alignment across research, practice and policy to the extent possible in our own work.

TERC hereby commits to support the goals of the National Academies of Science, Engineering, and Medicine's Action Collaborative on Advancing Science Teaching and Learning in K-12.

Sincerely,

A handwritten signature in black ink that reads "Laurie Brennan". The signature is written in a cursive, flowing style.

Laurie Brennan,
President, TERC