



How can assessments strengthen early science education?

A new center for elementary science

A national research and development center to:

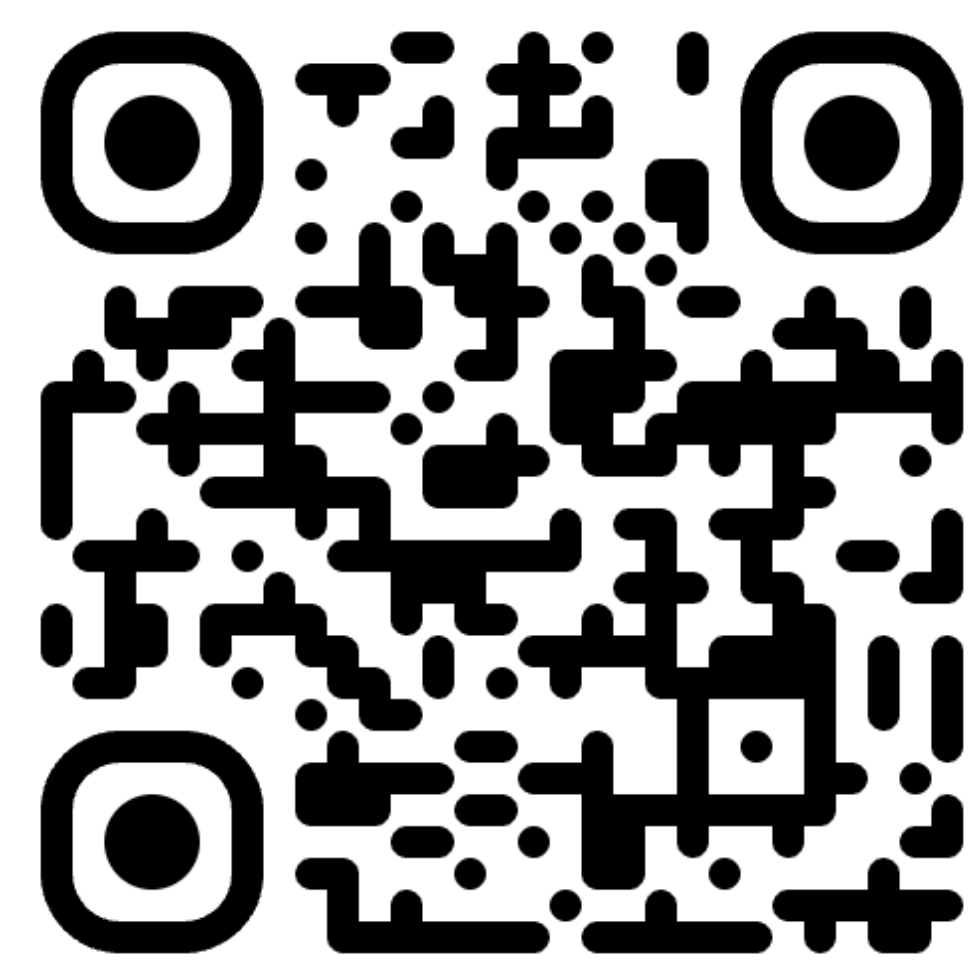
- Address the need for high-quality science instruction and assessment for early elementary learners, K-2
- Build long-term capacity for science education that benefits students and teachers by designing, testing, and using assessments to illuminate children's science learning.

Partners

- EDC
- University of Miami
- National Center for Research on Evaluation, Standards, and Student Testing (CRESST) at UCLA
- Lawrence Hall of Science at UC Berkeley

Learn more & get involved!

- Sign up for our mailing list
- Participate in webinars and forums



Share expertise

What advice do you have for:

- Assessing early science learning?
- Identifying existing science assessments?
- Recruiting schools and teachers for the curriculum impact study?



CAESART is dedicated to addressing the urgent need for high-quality science assessment for early elementary learners. Research will provide insight into:

- how to measure science learning
- the effect of an integrated science-literacy curriculum on young students' science learning

What do you want to know about early grades science assessment?

Comprehensive review of science assessments

Conduct systematic landscape review of existing pre-K-5 science assessments and share through a publicly available database.

Development and testing of new K-2 science assessments

Create and test assessments for research use that

- use technology to support reliable administration and large-scale use
- center students' thinking and experiences
- measure the three dimensions of science proficiency use adaptive and game-based approaches to engage young learners.

Two measurement studies to develop and test:

- Lens on Science adaptive assessment for grades K-2
- Game-based performance tasks for grade K physical science

Investigation of an integrated science-literacy curriculum

Using the newly developed assessments, investigate how an integrated literacy and science curriculum affects science learning across one and two years in grades K and 1.

- What does integrated science and literacy look like to you?

Outreach

Bring together educators, researchers, and policymakers through our national hub to ensure that this work informs science education policy, curriculum and instruction.