

NGSS NOW

6 things to know in September 2023



1

New Blog Post: Piloting Toward Expertise in Science Education



Science leadership teams play a critical role in the work of transitioning to new science standards. A new [On the Same Wavelength](#) blog post shares how participating in a leadership development program helped build the expertise of science educators to redesign their community's science education system. These educators benefited from a networked learning approach and support to use tools for improving key implementation areas.

See the NextGenScience September 2023 blog post [here](#).

2

New STEM Teaching Tool: Culturally Affirming and Sustaining Practices for STEM Education Leaders

This STEM Teaching Tool provides guidance on how STEM education leaders can work with their communities to meaningfully build on their students' cultures and backgrounds. It includes helpful considerations, reflection questions, and recommended actions to move towards welcoming and empowering practices in the science classroom.

See STEM Teaching Tool 95 [here](#).



3

New Report: Classroom-Based STEM Assessment



This report looks at a body of research that articulates what we currently know about making classroom assessment the most beneficial for K–12 STEM teaching and learning. Specifically, it examines the connection between assessment, instructional goals, and equity and justice. It also discusses how assessment data is used, teacher knowledge and practice, and the use of technology-based innovative assessments.

See the *Community for Advancing Discovery Research in Education* report [here](#).

4

Article: Making STEM More Inclusive of People with Disabilities

This article from the Board on Science Education’s latest newsletter shares highlights from their recent series of leadership events on accessibility and inclusivity of STEM workplaces for people with disabilities. Currently, people with disabilities are underrepresented in STEM occupations and STEM workers with disabilities also earn less than those without. This article shares recommendations for improving the inclusivity of STEM fields and addressing this underrepresentation.

See the *National Academies* article and links to event recordings [here](#).

5

New Article: One Solution to the Climate Crisis: Better High School Education

“Getting climate science into a state’s curriculum doesn’t necessarily mean that it will be taught, and this has been a struggle in many parts of the country....Scientists, educators, politicians, and parents need to push now for the schools in their regions to incorporate rigorous Earth and space science, particularly the topics of climate change, into their high school science courses.”



See the Eos article [here](#).

6

New Podcast: What Are NGSS and the Framework?



In the first episode of a new podcast about the NGSS, Dr. Brian Reiser discusses what *A Framework for K–12 Science Education* and the NGSS are, how they were developed, and how they have changed the science education field. Dr. Reiser also shares educational resources that he and his team have developed to meet the vision of the Framework and the NGSS.

See the *Unpack Everything: Science Education Reform in the Real World* podcast episode [here](#).



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