



Update on the Next Generation Science Standards

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Released in July 2011,

- The *Framework K-12 Science Education Practices, Crosscutting Concepts, and Core Ideas* has been widely disseminated among the science and engineering communities across the United States.
- This document was created through the National Research Council (NRC) which brought together 18 experts in the fields of science and education.



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The Vision of the Framework

- All students, over multiple years of school, actively engage in science and engineering practices and apply crosscutting concepts to deepen their understanding of the core ideas in these fields.



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The Framework

- Represents the first comprehensive document in over 16 years that addresses the needs of science and engineering education and will serve as the basis of the **Next Generation Science Standards (NGSS)**.



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The Framework

- Organizes science education around three dimensions
 1. Scientific and engineering practices
 2. Crosscutting concepts
 3. Disciplinary core ideas



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California's Role

- California is one of the lead states in the review of the Next Generation Science Standards.
- In April 2012, the draft NGSS will be released nationally for public comment.

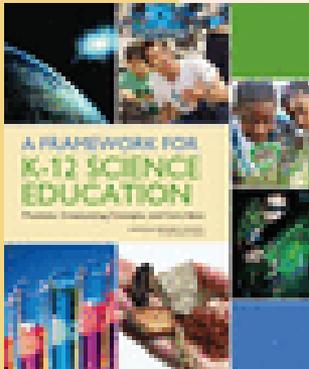


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What Can you do to Prepare for the Review?

- You may download a PDF copy of the Framework at

http://www.nap.edu/catalog.php?record_id=13165





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CURRENT PHASE

Standards development is underway!

Learn more about the standards development process
Roll over the arrows to the right to see upcoming development phases

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About NGSS

Next Generation Science Standards for Today's Students and Tomorrow's Workforce: Through a collaborative, state-led process, new K-12 science standards are being developed that will be rich in content and practice, arranged in a coherent manner across disciplines and grades to provide all students an internationally benchmarked science education. The NGSS will be based on the *Framework for K-12 Science Education* developed by the National Research Council.

Latest News

Final Print Version of A Framework for K-12 Science Education is Now Available
March 07, 2012

New Research Reinforces the Need for Next Generation Science Standards
February 15, 2012

Six More States Join Effort to

Resources



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Next Generation Science Standards for CA

Resources and information on the Conceptual Framework and on the development of the Next Generation Science Standards.

The release of the Conceptual Framework for the Next Generation Science Standards on July 19, 2011, was the first of two steps to develop new science standards for the states. Through a state-led process, new K–12 science standards are being developed that will be rich in content and practice, arranged in a coherent manner across disciplines and grades to provide all students an internationally benchmarked science education.

Conceptual Framework for the Next Generation Science Standards

[Conceptual Framework for the Next Generation K-12 Science Standards](#) (Outside Source; PDF, 2MB; 283pp.)
Released July 19, 2011, the framework provides a research-grounded basis for improving science teaching and learning across the country. It is intended to guide standards developers, curriculum designers, assessment developers, state and district science administrators, professionals responsible for science teacher education, and science educators working in informal settings.

[Board on Science Education Conceptual Framework Homepage](#) (Outside Source)
The Board on Science Education of the National Academies provides information on the development of the Conceptual Framework and frequently asked questions.

[Opportunity Equation: Transforming Mathematics and Science Education for Citizenship and the Global Economy](#) (Outside Source; PDF, 15MB; 76pp.)
The set of recommendations for standards drawn from this June 2009 report by the Carnegie Corporation of New York - Institute for Advanced Study Commission on Mathematics and Science Education served as the underpinning for the Conceptual Framework for the Next Generation K-12 Science Standards.

Next Generation Science Standards

[National Next Generation Science Standards](#) (Outside Source)
This is the official Web site for national information on the Next Generation Science Standards. Forty-one members of a core writing team will work with 20 Lead State Partners in the development of the new science standards. The first draft of the standards will be available for public comment in the first quarter of 2012.

[State Schools Chief Tom Torlakson Announces California Will Lead Effort in Writing New National Science Standards](#)
This is the News Release on California's participation in the development of the Next Generation Science Standards.

[Development Process](#) (Outside Source)
The Next Generation Science Standards will go through several rounds of review with multiple stakeholder groups. The general process and timeline for the development of the standards are available at this site.

Webinars and Presentations

[Framework for New K-12 Science Education Standards](#) (Outside Source)
Helen Quinn, National Academy of Sciences, Board on Science Education and Chair of the NGSS Committee, presented at the National Science Teachers Association conference in San Francisco on March 10, 2011, about the development of a conceptual framework for new science education standards.

[Next Generation Science Standards](#) (Outside Source)

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