Conclusions and Next Steps

NSTA Professional Development Institute

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Challenging But Possible

It is possible to design assessment tasks and scoring rubrics that assess three-dimensional science learning.

Such assessments provide evidence that informs teachers and students of the strengths and weaknesses of a student's current understanding, which can guide further instruction and student learning and can also be used to evaluate students' learning.

Developing Assessments of Next Generation Science Standards

(NRC 2013)

Start Small

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It will not be feasible to assess all of the performance expectations for a given grade level with any one assessment.

Developing Assessments of Next Generation Science Standards (NRC 2013)

New Ways to Make Science Relevant

The information provided by new generations of assessments will only be meaningful to the extent that it reflects understanding of students' opportunities to learn in the new ways called for by the framework and educators find ways to elicit and make use of the diversity of students' interests and experiences.

Developing Assessments of Next Generation Science Standards (NRC 2013)

NGSS is an Opportunity

To change how we think about teaching, learning and assessing in science

To be leaders in developing models of next generation, innovative science curricula and assessments

To impact on student interest and engagement in science and engineering in the classroom and beyond

Thank you!

Contact

Angela Haydel DeBarger	angela.haydel@sri.com
William Penuel	william.penuel@colorado.edu
Christopher Harris	christopher.harris@sri.com
Yves Beauvineau	beauvineau.yves@gmail.com

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