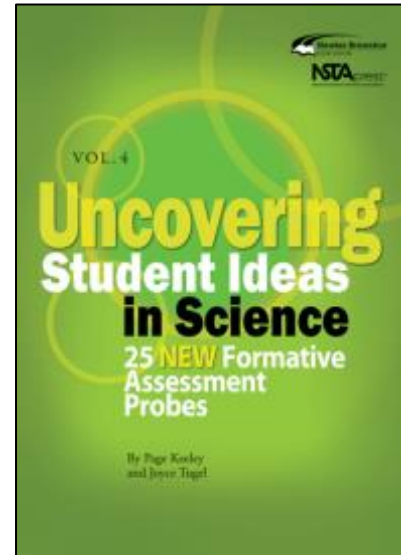


Uncovering Student Ideas in Science, Volume 4: 25 New Formative Assessment Probes

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Summary

Science teachers who have used the three previous volumes in the Uncovering Student Ideas in Science series hail their usefulness. They say they now look for evidence that students understand key ideas in science. They can match summative data to formative data and identify patterns and discrepancies. *Accountability* is no longer a scary word. The series gives teachers the right tools and processes to take the guesswork out of assessment and ensure that students really “show what they know.”

Wouldn't it be helpful to know what your students' ideas are about a science concept before launching into a new lesson or unit? *Uncovering Student Ideas in Science, Volume 4* offers 25 more formative assessment probes to help reveal students' preconceptions of fundamental concepts in science, bringing the total to 100 probes for the popular series by author Page Keeley. Teachers of grades K–12 will find short probes with grade-band specifics that provide easy-to-follow suggestions for addressing students' ideas by promoting learning through conceptual-change instruction. Volume 4 adds to the probes in physical, life, and Earth and space science with a new category called “unifying principles.” Also covered is a discussion on balancing formative assessment with summative assessment.

Other Resources

- *Uncovering Student Ideas in Science, Volume 1: 25 Formative Assessment Probes* (NST0669)
- *Uncovering Student Ideas in Science, Volume 2: 25 More Formative Assessment Probes* (NST0676)
- *Uncovering Student Ideas in Science, Volume 3: Another 25 Formative Assessment Probes* (NST0683)
- *Inside-Out: Environmental Science in the Classroom and the Field, Grades 3–8* (NST4742)