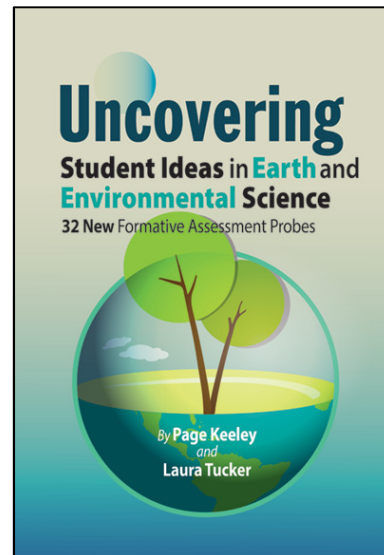


Uncovering Student Ideas in Earth and Environmental Science:

32 New Formative Assessment Probes

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Summary

Maybe you're new to formative assessment probes, or perhaps you're among the thousands who love the *Uncovering Student Ideas in Science* series and crave probes specifically about Earth and environmental science.

Either way, you're in luck! This book gives you 32 engaging new questions that can reveal what your students already know – or think they know – about core Earth and environmental science concepts. Armed with those insights, you can present Earth and environmental science in grade-appropriate ways so students will learn the content accurately.

The probes are organized into four sections: land and water; water cycle, weather, and climate; Earth history, weathering and erosion, and plate tectonics; and natural resources, pollution, and human impact. The probes will help your students demystify why the ocean is salty, how old the Earth is, and the difference between weather and climate.

Like the other nine wildly popular books in the series, *Uncovering Student Ideas in Earth and Environmental Science* is

- designed so you'll find the probes ready to reproduce and easy to use;
- complete with field-tested teacher materials that explain the scientific ideas underlying each probe and link to national standards, including the *Next Generation Science Standards*;
- flexible enough to apply throughout the instructional cycle; and
- adaptable enough to use with different grades and student populations.

Best of all, the probes are intrinsically interesting. They're full of material to stimulate your students' intellectual curiosity, even as they transform your fundamental methods of teaching and learning.

Other Resources

- *Uncovering Student Ideas in Primary Science Volume 1: 25 New Formative Assessment Probes for Grades K–2* (NST4360)
- *Inside-Out: Environmental Science in the Classroom and the Field, Grades 3–8* (NST4742)
- *Bringing Outdoor Science In: Thrifty Classroom Lessons* (NST4728)
- *Earth Science Puzzles: Making Meaning From Data* (NST4698)