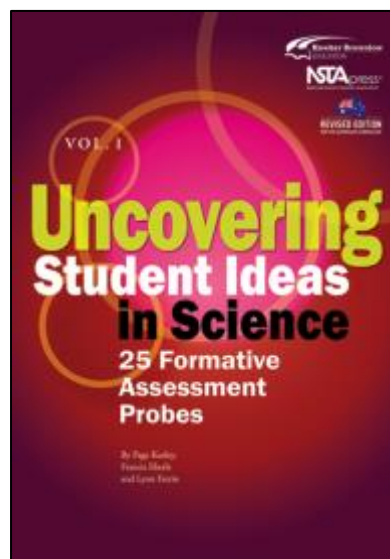


Uncovering Student Ideas in Science, Volume 1: 25 Formative Assessment Probes

Author(s): Page Keeley, Francis Eberle & Lynn Farrin

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Summary

Uncovering Student Ideas in Science is loaded with classroom-friendly features to pinpoint what your students know (or think they know) so you can adjust your teaching accordingly. At the book's heart are 25 “probes”. These brief, easily administered activities will determine your students' thinking on 44 core science topics, grouped by light, sound, matter, gravity, heat and temperature, life science, and Earth and space science.

The probes are invaluable formative assessment tools to use before you start a topic of unit. The accompanying teacher materials

- explain science content
- give suggested connections to various Australian Curriculum: Science content descriptions
- present developmental considerations
- summarise relevant research on learning
- suggest instructional approaches for primary, middle years and high school students.

Other books discuss students' general misconceptions. Only this one provides reproducible pages you can use to discover student thinking on everything from lunar phases to conservation of matter. Each probe – field-tested across multiple year levels – is proven effective for helping your students recover from erroneous ideas about science.

Other Resources

- *Uncovering Students Ideas in Science, Volume 2: 25 More Formative Assessment Probes* (NST0676)
- *Uncovering Students Ideas in Science, Volume 3: Another 25 Formative Assessment Probes* (NST0683)
- *Uncovering Students Ideas in Science, Volume 4: 25 New Formative Assessment Probes* (NST0690)