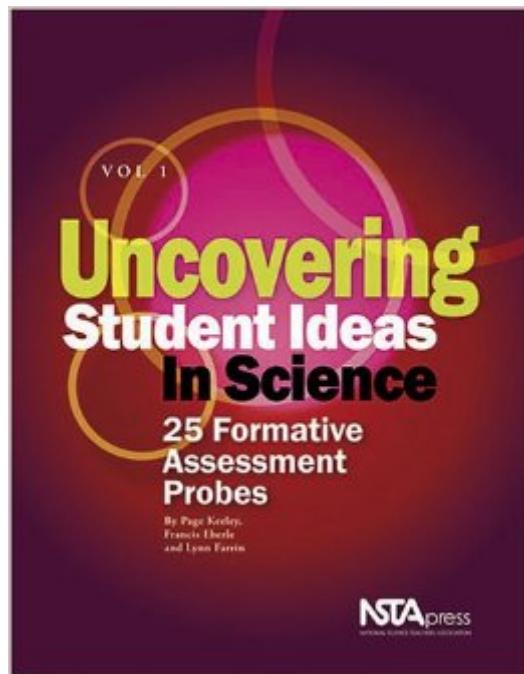


The book was found

Uncovering Student Ideas In Science, Vol. 1: 25 Formative Assessment Probes



Synopsis

This book is loaded with classroom-friendly tools 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 reveal your students' thinking on 44 core science topics, grouped by light, sound, matter, gravity, heat and temperature, life science, and Earth and space science.

Book Information

Age Range: 8 and up

Paperback: 193 pages

Publisher: NSTA Press (National Science Teachers Association) (October 31, 2005)

Language: English

ISBN-10: 0873552555

ISBN-13: 978-0873552554

Product Dimensions: 8.3 x 0.6 x 10.8 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 starsÂ See all reviewsÂ (14 customer reviews)

Best Sellers Rank: #65,330 in Books (See Top 100 in Books) #79 inÂ Books > Science & Math >

Science for Kids #86 inÂ Books > Education & Teaching > Schools & Teaching > Instruction

Methods > Science & Technology #332 inÂ Books > Science & Math > History & Philosophy

Customer Reviews

I highly recommend this book! I am in the process of writing a grant proposal to get a copy of this book as well as the second edition for each of the science teachers at our school. I haven't seen the book, but I have used the assessment probes as part of a Montana State University mentoring program. The assessment probes are MAGIC. I used them in classes ranging from Physical Science (which is taken primarily by students who are not college-bound) to Honors Physics, and the students got so much out of the exercise. One young woman, who was a marginal student before the probe "What is Matter?", "won" a discussion with the smartest boy in the class about whether air is matter, and her performance took off after that! I highly recommend this book.

This book is an excellent resource for formative assessments. There are formative assessments for all branches of science, Earth and Space, life science, and physical science. The formative assessments are varied. There are lists where students have to check the items that belong (or don't belong), there are phrases they have to agree with or disagree with, and there are

"conversations" among students where they have to decide who has the most correct answer. The biggest part that gives the most information is that the students' have to tell why they believe that is the correct answer. This provides so much information into how students think and it really gives you a way to understand a student's level. In the answers, there is a list of what is expected for elementary students, middle school students. and high school students. That makes this very adaptable to all levels. I use all of the series constantly in my classroom.

I really like the author,s approach to learning through probes. Clearly identifies students misconceptions and clears the way for learning. Encourages classroom discussions as well. I only wish there was one book covering Earth Science only, however it is not enough to take a star away. The book is a great resource and will purchase the others as well.

A must have for all science teachers! It really is a great book that has ideas that I use as bell ringers.

This is a great tool for me to use to help with my students! It gives me one more way to see if they already have a grasp on the basics so I do not waste their time. Easy to follow and adjusted for multiple grades

In this volume I found many useful insights, as well as examples, fro creating investigative and assessment probes to assist me in preparing lesson plans that work and help me with my decisions on how to differentiate my instruction to best meat the needs of my students. This book is more worth much more than the small investment.

I like the material in the book and have immediately begun using the probes in my classroom. So far the assessment are simple and easy for students to response and for me to me get useful information about student thinking. This was a new tool I was really looking forward to trying for the first time. So far, so good!

[Download to continue reading...](#)

Uncovering Student Ideas in Science, Vol. 1: 25 Formative Assessment Probes Satellites and Space Probes (Eye on the Universe) 25 Quick Formative Assessments for a Differentiated Classroom: Easy, Low-Prep Assessments That Help You Pinpoint Students' Needs and Reach All Learners A Director's Guide to Stanislavsky's Active Analysis: Including the Formative Essay on

Active Analysis by Maria Knebel Space Probes (History of Space Exploration) ParaPro Assessment Secrets Study Guide: ParaProfessional Test Review for the ParaPro Assessment Pocket Companion for Physical Examination and Health Assessment, 6e (Jarvis, Pocket Companion for Physical Examination and Health Assessment) Orthopedic Physical Assessment, 5e (Orthopedic Physical Assessment (Magee)) Advanced Health Assessment of Women, Third Edition: Clinical Skills and Procedures (Advanced Health Assessment of Women: Clinical Skills and Pro) Rabbit Medicine and Surgery: Self-Assessment Color Review, Second Edition (Veterinary Self-Assessment Color Review Series) The Private Lives of the Tudors: Uncovering the Secrets of Britain's Greatest Dynasty Uncovering the Mysterious Woolly Mammoth Lucy Long Ago: Uncovering the Mystery of Where We Came From The Code of the Holy Spirit: Uncovering the Hebraic Roots and Historic Presence of the Holy Spirit The Mastery of Matzah: Uncovering the Hows and Whys of this Ancient Flatbread; 3 Master Recipes and 21 Ways to Eat It During the Passover Season 1493: Uncovering the New World Columbus Created Sheet Music: Uncovering the Secrets of Sexual Intimacy in Marriage The Tides of Mind: Uncovering the Spectrum of Consciousness A First-Rate Madness: Uncovering the Links Between Leadership and Mental Illness Ghosts Among Us: Uncovering the Truth About the Other Side

[Dmca](#)