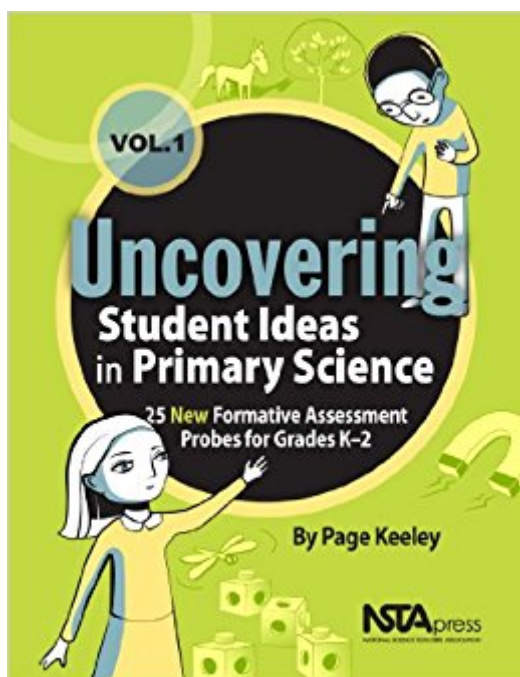


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Uncovering Student Ideas In Primary Science, Volume 1: 25 New Formative Assessment Probes For Grades K-2 (Uncovering Student Ideas In Science)



Synopsis

2014 Winner of the Distinguished Achievement Award from PreK-12 Learning Group, Association of American Publishers! What ideas do young children bring to their science learning, and how does their thinking change as they engage in "science talk"? Find out using the 25 field-tested probes in the newest volume of Page Keeley's bestselling *Uncovering Student Ideas in Science* series, the first targeted to grades K-2. This teacher-friendly book is:

- Tailored to your needs. The content is geared specifically for the primary grades, with an emphasis on simple vocabulary as well as drawing and speaking (instead of writing). The format of the student pages uses minimal text and includes visual representations of familiar objects, phenomena, or ideas.
- Focused on making your lessons more effective. The assessment probes engage youngsters and encourage "science talk" while letting you identify students' preconceptions before beginning a lesson or monitor their progress as they develop new scientific explanations.
- Applicable to a range of science concepts. This volume offers 8 life science probes, 11 physical science probes, and 6 Earth and space science probes that target K-2 disciplinary core ideas.
- Ready to use. The book provides grade-appropriate reproducible pages for your students and detailed teacher notes for you, including clear and concise explanations, relevant research, suggestions for instruction, and connections to national standards.

Uncovering Student Ideas in Primary Science is an invaluable resource for classroom and preservice teachers and professional development providers. This age-appropriate book will help you teach more effectively by starting with students' ideas and adapting instruction to support conceptual change.

Book Information

Series: Uncovering Student Ideas in Science

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Customer Reviews

Her expertise is clearly evident in this work. I highly recommend this book. It is exactly the kind of book I want to use with my colleagues as part of a K-2 faculty book study. I have been looking for this kind of book for years. --SB&F February/March 2015

Consulting Description Page Keeley is an author, speaker, and consultant who works with school districts and STEM organizations throughout the U.S. and internationally in the areas of formative assessment and teaching for conceptual change. She recently retired from the Maine Mathematics and Science Alliance (MMSA) where she was the Senior Science Program Director for 16 years, directing projects and developing resources in the areas of leadership, professional development, linking standards and research on learning, formative assessment, and mentoring and coaching. She has been the Principal Investigator and Project Director of three National Science Foundation-funded projects, including the Northern New England Co-Mentoring Network; PRISMS: Phenomena and Representations for Instruction of Science in Middle School; and Curriculum Topic Study: A Systematic Approach to Utilizing National Standards and Cognitive Research. In addition to NSF funded projects, she has directed state Math-Science Partnership (MSP) projects, including TIES "12: Teachers Integrating Engineering into Science "12, and a National Semi-Conductor Foundation grant, Linking Science, Inquiry, and Language Literacy (L-SILL). Keeley also founded and directed the Maine Governor's Academy for Science and Mathematics Education Leadership, a replication of the National Academy for Science Education Leadership, of which she is a fellow. Keeley is the author of eighteen books and numerous journal articles and book chapters. She is also a co-author for McGraw-Hill's elementary and middle school science programs. Keeley taught high school science for 2 years and middle school mathematics and science for 12 years before leaving the classroom in 1996. At that time she was an active teacher leader at the state and national level. She served two terms as president of the Maine Science Teachers Association and was the District II National Science Teachers Association (NSTA) director. She received the Presidential Award for Excellence in Secondary Science Teaching in 1992, the Milken National Distinguished Educator Award in 1993, was named the AT&T Maine Governor's Fellow in 1994. As a nationally known professional developer and speaker, she received the National Staff Development Council's (now Learning Forward) Susan Loucks-Horsley Award for Leadership in Science and Mathematics Professional Development in

2009, and the National Science Education Leadership Association's Outstanding Leadership in Science Education Award in 2013. She has been a science education delegation leader for the People to People Citizen Ambassador Professional Programs, leading the South Africa trip in 2009, the China trip in 2010, the India trip in 2012, the Cuba trip in 2014, and the Peru trip in 2015. Prior to teaching, Keeley was a research assistant in immunogenetics at the Jackson Laboratory of Mammalian Genetics in Bar Harbor, Maine. She received her B.S. in Life Sciences from the University of New Hampshire and her Masters in Science Education from the University of Maine. In 2008, Keeley was elected the sixty-third president of the National Science Teachers Association (NSTA). She can be followed on Twitter @CTSKeeley and can be contacted through her website at www.uncoveringstudentideas.org or through Corwin for information about the professional development she and her colleagues provide.

I loved the ideas presented in this book - user friendly and developmentally appropriate for elementary children! This book will be used often.

I recently took a class where the teacher recommended this book. I've already used it in my third grade science class. It has great suggestions for using literature with science.

As described -- fast shipping -- thank you!!

Great book to have to introduce to students. Thank you!

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