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Titolo	Hard-to-teach science concepts [[electronic resource] ] : a framework to support learners, grades 3-5 // by Susan Koba with Carol T. Mitchell
Pubbl/distr/stampa	Arlington, Va., : National Science Teachers Association, c2011
ISBN	1-936137-45-3
Descrizione fisica	1 online resource (273 p.)
Altri autori (Persone)	MitchellCarol T
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. The toolbox : a framework and instructional tools -- pt. 2. Toolbox implementation : using the framework and instructional tools with hard-to-teach science topics.
Sommario/riassunto	Authors Susan Koba and Carol Mitchell introduce teachers of grades 3-5 to their conceptual framework for successful instruction of hard-to-teach science concepts. Their methodology comprises four steps: (1) engage students about their preconceptions and address their thinking; (2) target lessons to be learned; (3) determine appropriate strategies; and (4) use Standards-based teaching that builds on student understandings.