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Elementary Science Instruction; 7 Engaging Prospective Teachers in Critical Reflection: Facilitating a Disposition to Teach Mathematics for Diversity; 8 "'Eh, Mus' Be Smart Class'": Race, Social Class, Language, and Access to Academic Resources; 9 Transformative Mathematics Pedagogy: From Theory to Practice, Research, and Beyond
10 Seeing IT in the Lives of Children: Strategies for Promoting Equitable Practices Among Tomorrow's Science Teachers
11 Helping Teachers Use Students' Home Cultures in Mathematics Lessons: Developmental Stages of Becoming Effective Teachers of Diverse Students; 12 Examining the "'Script'" in Science Education: Critical Literacy in the Classroom; Author Index; Subject Index

Sommario/riassunto

This book provides a theoretical basis and practical strategies to counter resistance to learning to teach for diversity (in culturally and gender-inclusive ways), and resistance to teaching for understanding (using student-centered and inquiry-based pedagogical approaches). Teacher educators from across the United States present rich narratives of their experiences in helping prospective and practicing teachers learn to teach for diversity and for understanding in a variety of mathematics and science contexts. Mathematics and science education has been slow to respond to issues of div
