

Culturally Responsive Mathematics Education

Greer, B., Mukhopadhyay, S., Powell, A. B., & Nelson-Barber, S. (Eds.). (2009). *Culturally Responsive Mathematics Education*. New York: Routledge.

Recognizing the urgency of its needs, the book grew out of an invited conference on the same topic in November 2004. One of the major goals of the book is to create a convergence of discussions on cultural perspectives of mathematics and consider their implications for learning and teaching in today's diverse societies.

The contents of the book are as follows:

Foreword: Ubiratan D'Ambrosio

Introduction: The editors

Part I: Foundations and Backgrounds

1. Culture and the Development of Mathematics: An Historical Perspective, Frank J. Swetz
2. New Philosophy of Mathematics: Implications for Mathematics Education, Paul Ernest
3. An Ethnomathematical Perspective on Culturally Responsive Mathematics Education, Swapna Mukhopadhyay, Arthur B. Powell and Marilyn Frankenstein
4. Seeing With Many Eyes: Connections Between Anthropology and Mathematics, Jim Barta and Mary E. Brenner
5. What Mathematics Teachers Need to Know about Culture and Language, Judit Moschkovich and Sharon Nelson-Barber
6. The Politics of Mathematics Education in the United States: Dominant and Counter Agendas, Eric Gutstein
7. Conceptions of Assessment of Mathematical Proficiency and their Implications for Cultural Diversity, Dalton Miller-Jones and Brian Greer

Part II: Teaching and Learning

8. Preparing Culturally Responsive Mathematics Teachers, Geneva Gay
9. Mathematics Literacy and Liberation: Reframing Mathematics Education for African American Children, Danny Bernard Martin and Ebony O. McGee
10. Culturally Responsive Mathematics Education in the Algebra Project, Robert Moses, Mary Maxwell West and Frank E. Davis
11. A Two-Way Process for Developing Effective Culturally Based Math: Examples from Math in a Cultural Context, Jerry Lipka, Evelyn Yanez, Dora Andrew-Ihrke and Shehenaz Adam
12. Native-American Analogues to the Cartesian Coordinate System, Ron Eglash
13. Privileging Mathematics and Equity in Teacher Education: Framework, Counter-Resistance Strategies and Reflections from a Latina Mathematics Educator, Julia M. Aguirre
14. Latina Mothers' Perceptions about the Teaching and Learning of Mathematics: Implications for Parental Participation, Marta Civil and Beatriz Quintos
15. Culturally Responsive College Level Mathematics, Mark K. Davis, Shandy Hauk and M. Paul Latiolais

The editors of the book have started a scholarship fund generated from the book royalties. The scholarships will be available to teacher candidates from underrepresented groups at Portland State University who are committed to teaching mathematics from a culturally responsive perspective.

For further information regarding the book, consult

<http://www.routledge.com/books/details/9780805862645/>. For further information regarding the scholarship program, consult Swapna Mukhopadhyay at swapna@pdx.edu.