1. Record Nr. UNINA9910812951803321 Autore Borman Kathryn M **Titolo** Meaningful urban education reform [[electronic resource]]: confronting the learning crisis in mathematics and science / / by Kathryn M. Borman and associates ... [et al.] Albany, : State University of New York Press, c2005 Pubbl/distr/stampa **ISBN** 0-7914-8387-8 1-4237-4356-3 Edizione [1st ed.] Descrizione fisica 1 online resource (302 p.) Collana SUNY series, power, social identity, and education Disciplina 510/.71/073 Soggetti Mathematics - Study and teaching - United States Science - Study and teaching - United States Curriculum change - United States Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references (p. 269-278) and index. Nota di contenuto Intro -- MEANINGFUL URBANEDUCATION REFORM: Confronting the Learning Crisis in Mathematics and Science -- Contents -- Illustrations -- Tables -- Preface -- Acknowledgments -- Abbreviations -- 1. Historical Context: How National Science Foundation Reforms Build on Earlier Reforms -- SYSTEMIC REFORM -- SCHOOL CULTURE-A POSSIBLE 7TH DRIVER -- THE CURRENT CRISIS: CLOSING THE PERSISTENT ACHIEVEMENT GAP -- ASSESSING THE IMPACT OF THE URBAN SYSTEMIC INITIATIVES -- THE SCHOOL DISTRICTS AND CITIES -- RESEARCH ON SYSTEMIC REFORM -- 2. The Importance of District and School Leadership -- DISTRICT AND SCHOOLADMINISTRATOR PARTICIPANTS

INITIATIVES -- THE SCHOOL DISTRICTS AND CITIES -- RESEARCH ON SYSTEMIC REFORM -- 2. The Importance of District and School Leadership -- DISTRICT AND SCHOOLADMINISTRATOR PARTICIPANTS -- BARRIERS TO REFORM -- INFLUENCE OF ASSESSMENTS -- CONCLUSION -- 3. Building Relationships to Sustain Reform -- ENGAGING STAKEHOLDERS -- SCHOOL-LEVEL REPORTS OF INCREASING STAKEHOLDER INVOLVEMENT -- COMMUNITY STAKEHOLDERS' VIEW OF USI IMPACT ON THEIR INVOLVEMENT -- CONCLUSION -- 4. Professional Development in Systemic Reform -- PROFESSIONAL DEVELOPMENT AND STANDARDS-BASED PRACTICES -- IMPLICATIONS FOR PRACTICE AND POLICY -- CONCLUSION -- 5 Instructional Practices in Mathematics and Science Classrooms -- INSTRUCTIONAL PRACTICES -- UNDERSTANDING INSTRUCTIONAL PRACTICES: OUR MEASUREMENT

TOOLS -- LOOKING AT INSTRUCTIONAL PRACTICES -- COMBINING PERSPECTIVES ON INSTRUCTIONAL PRACTICES USING CLUSTER ANALYSIS -- CONCLUSION -- 6. Student Engagement in Mathematics and Science -- EXPERIENCE SAMPLING METHOD -- CONCLUSION -- 7. Closing the Achievement Gap -- DEVELOPMENT OF THE MODEL --MIAMI-DADE INITIATIVE -- CHICAGO INITIATIVE -- SUMMARY --CONCLUSION -- 8. School Culture: The MissingLever in Improving Student Outcomes and Achieving Sustainable Reform -- SCHOOL CULTURE -- INFLUENCE OF SCHOOL CULTURE ON CLASSROOM PRACTICES -- MEASURING SCHOOL CULTURE, PROFESSIONAL DEVELOPMENT, AND CLASSROOM PRACTICES. MEASURING STUDENT ACHIEVEMENT, PROFESSIONAL DEVELOPMENT, AND CLASSROOM PRACTICES ACROSS SITES -- CONCLUSION -- 9. What Have We Learned?: A Summary of Key Findings -- WHAT MATTERS AT THE DISTRICT LEVEL -- WHAT MATTERS AT THE SCHOOL LEVEL --WHAT MATTERS AT THE CLASSROOM LEVEL -- Appendix A: Instrumentation -- Appendix B: Survey of Classroom Practices -- Works Cited -- Contributors -- Index -- A -- B -- C -- D -- E -- L -- M -- N -- P -- Q -- R -- S -- t.

Sommario/riassunto

Summarizes findings of a long-term study of math and science education reforms in Chicago, El Paso, Memphis, and Miami.