

1. Record Nr.	UNINA9910973282003321
Titolo	Everybody counts : a report to the nation on the future of mathematics education // Mathematical Sciences Education Board [and] Board on Mathematical Sciences Committee on the Mathematical Sciences in the Year 2000, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1989
ISBN	9786610214792 9780309185523 0309185521 9781280214790 1280214791 9780309595841 0309595843 9780585002019 0585002010
Edizione	[1st ed.]
Descrizione fisica	1 online resource (128 p.)
Disciplina	510/.7/1073
Soggetti	Mathematics - Study and teaching - United States Mathematical readiness
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.
Nota di contenuto	Everybody Counts -- Copyright -- Foreword -- Preface -- Contents -- Everybody Counts -- Opportunity... Tapping the Power of Mathematics -- CONTEXT FOR CHANGE -- MATHEMATICS FOR TOMORROW -- A PUMP, NOT A FILTER -- MATHEMATICS PIPELINE -- NUMERACY -- ATTITUDES -- GOALS -- STUDENTS AT RISK -- Human Resources... Investing in Intellectual Capital -- INTENDED MATHEMATICS MAJORS OF TOP HIGH SCHOOL SENIORS -- SHIFTING STUDENT INTERESTS -- DEMOGRAPHIC TRENDS -- MINORITIES -- WOMEN -- DISTRIBUTION OF PH.D. DEGREES -- DISABLED PERSONS -- GRADUATE STUDENTS -- DECLINE IN MATHEMATICS PH.D.'S -- SUPPLY AND DEMAND -- BACHELOR'S DEGREES -- EQUITY AND EXCELLENCE -- Mathematics...

Searching for Patterns -- OUR INVISIBLE CULTURE -- FROM ABSTRACTION TO APPLICATION -- COMPUTERS -- THE MATHEMATICAL COMMUNITY -- UNDERGRADUATE MATHEMATICS -- Curriculum... Developing Mathematical Power -- PHILOSOPHY -- STANDARDS -- ELEMENTARY EDUCATION -- SECONDARY EDUCATION -- HIGHER EDUCATION -- Teaching... Learning through Involvement -- UNDERSTANDING MATHEMATICS -- LEARNING MATHEMATICS -- ENGAGING STUDENTS -- IMPACT OF COMPUTERS -- EDUCATION OF TEACHERS -- RESOURCES -- ASSESSMENT -- Change... Mobilizing for Curricular Reform -- CHALLENGES -- COUNTERPRODUCTIVE BELIEFS -- THE AMERICAN WAY -- MODERN MATHEMATICS -- LESSONS FROM THE PAST -- TRANSITIONS -- Action... Moving into the 21st Century -- NATIONAL GOALS -- REACHING CONSENSUS -- NATIONAL STRATEGY -- SUPPORT STRUCTURES -- LEADERSHIP -- TAKING ACTION -- References -- References... Documenting the Challenge -- NOTES -- Opportunity -- Human Resources -- Mathematics -- Curriculum -- Teaching -- Change -- Action -- SOURCES -- Bibliography -- Credits For Everybody Counts.

Sommario/riassunto

Mathematics is the key to opportunity. No longer only the language of science, mathematics is now essential to business, finance, health, and defense. Yet because of the lack of mathematical literacy, many students are not prepared for tomorrow's jobs. Everybody Counts suggests solutions. Written for everyone concerned about our children's education, this book discusses why students in this country do not perform well in mathematics and outlines a comprehensive plan for revitalizing mathematics education in America, from kindergarten through college. single copy, \$8.95; 2-9 copies, \$7.50 each; 10 or more copies, \$6.95 each (no other discounts apply)
