



Stem the Tide: Reforming Science, Technology, Engineering, and Math Education in America

By David E. Drew

Johns Hopkins University Press. Paperback. Book Condition: new. BRAND NEW, Stem the Tide: Reforming Science, Technology, Engineering, and Math Education in America, David E. Drew, One study after another shows American students ranking behind their international counterparts in the STEM fields-science, technology, engineering, and math. Businesspeople and cultural critics such as Bill Gates warn that this alarming situation puts the United States at a serious disadvantage in the high-tech global marketplace of the twenty-first century, and President Obama places improvement in these areas at the center of his educational reform. What can be done to reverse this poor performance and to unleash America's wasted talent? David E. Drew has good news - and the tools America needs to keep competitive. Drawing on both academic literature and his own rich experience, Drew identifies proven strategies for reforming America's schools, colleges, and universities, and his comprehensive review of STEM education in the United States offers a positive blueprint for the future. These research-based strategies include creative and successful methods for building strong programs in science and mathematics education and show how the achievement gap between majority and minority students can be closed. A crucial measure, he argues, is recruiting, educating, supporting, and...



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