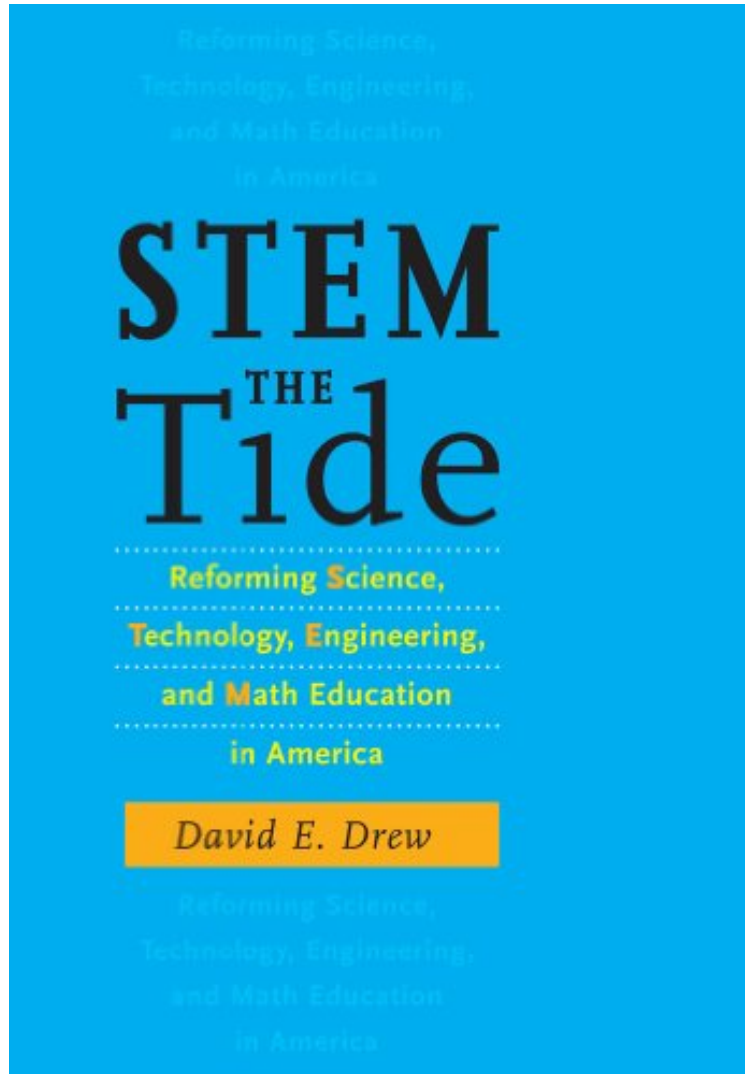


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## STEM the Tide

*David E. Drew*

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**David E. Drew : STEM the Tide** before purchasing it in order to gage whether or not it would be worth my time, and all praised STEM the Tide:

9 of 10 people found the following review helpful. STEM The Tide is an atlasBy Big DaddySTEM The Tide is more than just a book about science and science education, it is an atlas, a road map. In STEM, author David Drew shows us how to regain our Science Swagger! In the first part of the book, he provides lots of convincing arguments for change, but in my case, he is preaching to the choir. I've spent 35 years as a science educator in some of the toughest schools in the Los Angeles area. I also taught at a parochial prep school in the Midwest for a couple of years. What I learned it that kids are kids and we are letting the current generation of kids down. We must upgrade and streamline our efforts in science education or see our best and brightest leave us to go to other countries for top tier science education. We

are losing the innovation edge and our people are ill prepared for managing science careers or their own health. In the 19th century, we came of age. In the 20th century we lead the way. In the 21st century.....? Dr. David Drew has drawn us a road map to massive success. 0 of 0 people found the following review helpful. Four Stars By Sheila Jefferson Easy informative reading. Gives many challenges that can be addressed and fixed for STEM education. 5 of 7 people found the following review helpful. STEM the Tide By Jamie O Everyone in the education world today is talking about how the US is behind in education specifically Science, Math, technology and engineering. With the job force headed into a technology driven direction. These subjects are going to be important for students to be interested in and to excel in. Drew discusses in his book the history of US education. This same concern of "falling behind" and something new. What is needed in order for US students to excel in these subjects. He doesn't blame any one "person" he discusses reforms from professional development to administration and even as elementary as pre-service programs. Drew gives statistics supporting his suggestions and detailed ideas and examples. This book is full of information and relative to any teacher going into one of these fields. I would recommend this book to any student who wants to be a teacher in one of these fields or a teacher going into the elementary level of teaching who doesn't have a full understanding of mathematics. The importance of STEM subjects is finally being addressed in the US and anyone interested in learning more about the topics should read Drew's book.

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 respecting America's teachers. Accessible, engaging, and hard hitting, *STEM the Tide* is a clarion call to policymakers, administrators, educators, and everyone else concerned about students' participation in the STEM fields and America's competitive global position.

"The well-researched arguments are enthusiastically presented, and the book heralds another call for the renovation and enhancement of a vital part of the curriculum. Highly recommended." (Choice) "*STEM the Tide* provides a valuable analysis of current science and math education policy issues and provides useful solutions to implement reform in these areas." (Education) "Drew provides a package that cogently and convincingly provides cause for concern about America's current status with regard to STEM education.... Drew's book is required reading for scholars of STEM achievement at any level." (Frances K. Stage and Phyllis H. Schulz *Journal of Higher Education*) About the Author David E. Drew is the Platt Professor of Education at Claremont Graduate University and the author of *Aptitude Revisited: Rethinking Math and Science Education for America's Next Century*.