



The Case for STEM Education: Challenges and Opportunities - PB337X

By Rodger W. Bybee

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If you are an education leader concerned with science, technology, engineering, and mathematics (STEM) initiatives, this book will help you both understand and implement STEM action plans. The book starts by putting STEM in context, as the early chapters outline the challenges facing STEM education, draw lessons from the Sputnik moment of the 1950s and 1960s, and contrast contemporary STEM with other education reforms. The author then explores appropriate roles for the federal government as well as states, districts, and individual schools. Finally, the book offers several ideas you can use to develop actual action plans for STEM. Throughout the book, author Rodger W. Bybee puts an emphasis on both thinking and acting. That's why *The Case for STEM Education* is a must-read for leaders at all levels: national and state policymakers, state-level educators responsible for STEM initiatives, college and university faculty who educate future STEM teachers, local administrators who make decisions about district and school programs, and teachers who represent STEM disciplines.

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Editorial Review

Review

Although clearly a key text for anyone teaching or involved in STEM education in the U.S., there is probably insufficient relevant information for most teachers outside the U.S. ... However, this book could be useful for anyone with specific interests in developing or researching aspects of STEM education, including historical, comparative or global studies. --School Science Review March 2014

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