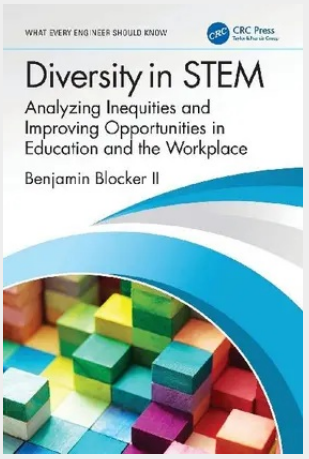
Blocker II

Diversity in STEM

Analyzing Inequities and Improving Opportunities in Education and the Workplace

Diversity in STEM: Analyzing Inequities and Improving Opportunities in Education and the Workplace offers a survey of diversity in the broad field of Science, Technology, Engineering, and Mathematics (STEM) and provides potential solutions to improve outcomes in education, industry, and society. Offering a U.S.-based point of view, but with globally applicable concepts around race, gender, culture, politics, and socioeconomics, the book identifies where issues around diversity in STEM exist, how they were created, and how these issues are being addressed in STEM education and the STEM workforce. Features: - Identifies conditions and causes of inequities from a societal perspective - Offers guidelines and solutions to identify and address cultural gaps in STEM - Covers STEM initiatives implemented at the K-12, college, and vocational levels and how they are beginning to alter the STEM landscape - Illustrates the benefits of fostering and maintaining a diverse, equitable, and inclusive workforce - Explores best practices used by companies and organizations to recruit, support, and develop diverse talent and strategies to continually evolve - Guides and empowers STEM professionals to seek out organizations whose values are aligned with their own Providing an analytical and constructively practical viewpoint, the authors offer readers across the sciences, engineering, and medicine, as well as policymakers, the opportunity to consider why diversity and equity in STEM matter and how to apply best practices that support inclusivity to ensure successful outcomes for individuals, organizations, and society.

This book surveys diversity in STEM fields and provides potential solutions to improve outcomes in education, industry, and society. The book identifies where issues around diversity in STEM exist, how they were created, and how they are being addressed in education and the workforce.



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