



Nanoscience Education, Workforce Training, and K-12 Resources: Education and Workforce Development

By Judith Light Feather, Miquel F. Aznar

Taylor & Francis Inc. Paperback. Book Condition: new. BRAND NEW, Nanoscience Education, Workforce Training, and K-12 Resources: Education and Workforce Development, Judith Light Feather, Miquel F. Aznar, The nanotech revolution waits for no man, woman, or child. To revitalize science, technology, engineering, and mathematics (STEM) performance, the U.S. educational system requires a practical strategy to better educate students about nanoscale science and engineering research. This is particularly important in grades K-12, the effective gestation point for future ideas and information. Optimize your use of free resources from the National Science Foundation. The first book of its kind, Nanoscience Education, Workforce Training, and K-12 Resources promotes nano-awareness in both the public and private sectors, presenting an overview of the current obstacles that must be overcome within the complex U.S. educational system before any reform is possible. It's a race against time—and other countries—and the fear is that U.S. students could lag behind for decades, with ineffective teaching and learning methods handicapping their ability to compete globally. Focusing on the application of new knowledge, this concise and highly readable book explores the transdisciplinary nature of nanoscience and its societal impact, also addressing workforce training and risk management. Illustrating the historical perspective of the...

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