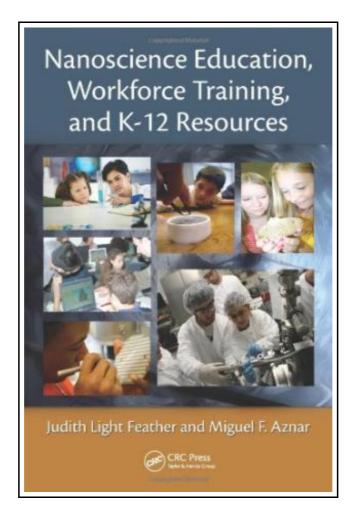
Nanoscience Education, Workforce Training, and K-12 Resources: Education and Workforce Development



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Reviews

Extremely helpful to all category of individuals. I have got go through and that i am confident that i will likely to read through once again again later on. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Nikita Herzog)

NANOSCIENCE EDUCATION, WORKFORCE TRAINING, AND K-12 RESOURCES: EDUCATION AND WORKFORCE DEVELOPMENT



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 complexity of K-12 education communities, it defines nanotechnology and evaluates pertinent global and national landscapes, presenting examples of successful change within them. This book is composed of four sections: Foundations-addresses the national educational matrix, exploring the scientific and social implications associated with the delay in adopting nanoscience education in public schools Teaching Nanotechnology-discusses the critical process of teaching K-12 students the skills to understand and evaluate emerging technologies they will encounter Nanoscience Resources and Programs-provides a wide overview of the resources offered by funded outreach programs from universities with nanoscience centers Framework Applied-analyzes the structure of national government programs and...

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