



Promising Practices in Undergraduate Science, Technology, Engineering, and Mathematics Education: Summary of Two Workshops

By Planning Committee on Evidence on Selected Innovations in Undergraduate STEM Education, Board on Science Education, Division of Behavioral and Social Sciences and Education, National Research Council, Natalie Nielsen

National Academies Press. Paperback. Book Condition: new. BRAND NEW, Promising Practices in Undergraduate Science, Technology, Engineering, and Mathematics Education: Summary of Two Workshops, Planning Committee on Evidence on Selected Innovations in Undergraduate STEM Education, Board on Science Education, Division of Behavioral and Social Sciences and Education, National Research Council, Natalie Nielsen, Numerous teaching, learning, assessment, and institutional innovations in undergraduate science, technology, engineering, and mathematics (STEM) education have emerged in the past decade. Because virtually all of these innovations have been developed independently of one another, their goals and purposes vary widely. Some focus on making science accessible and meaningful to the vast majority of students who will not pursue STEM majors or careers; others aim to increase the diversity of students who enroll and succeed in STEM courses and programs; still other efforts focus on reforming the overall curriculum in specific disciplines. In addition to this variation in focus, these innovations have been implemented at scales that range from individual classrooms to entire departments or institutions. By 2008, partly because of this wide variability, it was apparent that little was known

Reviews

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