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## CRS Report for Congress: Science, Technology, Engineering, and Mathematics Stem Education Issues and Legislative Options: May 22, 2006 - RL33

By Jeffrey J. Kuenzi

Bibliogov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 38 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. There is growing concern that the United States is not preparing a sufficient number of students, teachers, and practitioners in the areas of science, technology, engineering, and mathematics (STEM). A large majority of secondary school students fail to reach proficiency in math and science, and many are taught by teachers lacking adequate subject matter knowledge. When compared to other nations, the math and science achievement of U. S. pupils and the rate of STEM degree attainment appear inconsistent with a nation considered the world leader in scientific innovation. In a recent international assessment of 15-year-old students, the U. S. ranked 28th in math literacy and 24th in science literacy. Moreover, the U. S. ranks 20th among all nations in the proportion of 24-year-olds who earn degrees in natural science or engineering. A recent study by the Government Accountability Office found that 207 distinct federal STEM education programs were appropriated nearly 3 billion in FY2004. Nearly three-quarters of those funds and nearly half of the STEM programs were in two agencies -- the National Institutes of Health and the National Science Foundation....


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