

Science, Technology, Engineering and Mathematics (STEM) is a field that is of major interest and new research is continually being released. Below are a few additional current articles that were published after the completion of the Literature Review in September 2007:

First, *The Preparation Gap: Teacher Education for Middle School Mathematics in Six Countries*, is a 2007 study that compares mathematics middle school teachers in the U.S. with South Korea, Taiwan, Germany, Bulgaria, and Mexico. This states that U.S. teachers are not as well prepared as others in their subject matter especially in algebra. A major factor to this lack of competitiveness is the training teachers receive. For example, U.S. mathematic teachers cover less than 50 percent of advanced mathematic topics while countries such as South Korea and Taiwan cover about 80 percent. Retrieved from:
<http://usteds.msu.edu/MT21Report.pdf>

Another recent study, the *Science and Engineering Indicators 2008* has various chapters that detail indicators in these fields. Two chapters that focus on education as it relates to STEM are, Chapter 1 “Elementary and Secondary Education” and Chapter 2 “Higher Education in Science and Engineering”. The first chapter details various areas that include student learning in math and science, teacher quality in these fields and student transition into higher education. The second chapter reviews topics such as the system of higher education in the U.S., degrees awarded and global trends. Retrieved from:
www.nsf.gov/statistics/indicators.

The final article recommended is *Knocking at the College Door: Projections of High School Graduates by State and Race/Ethnicity 1992-2022*. This 2008 report gives an overview on public and nonpublic schools in the nation with projections on high school graduates. The report notes that projections made can be used in education policymaking. Retrieved from:
http://www.wiche.edu/policy/knocking/1992-2022/knocking_complete_book.pdf

The *Hispanic Health and Science Poll 2007* is a good tool to view the various views among Hispanics as it relates to health and science. For example, most respondents answered that being a physician and scientist is an occupation of high prestige. In addition, most respondent were very confident in the medical community and 93% thought that education was one of the most important priorities for the U.S. Retrieved from:
<http://www.researchamerica.org/uploads/Hispanichealthpoll2007.pdf>