The Transportation Engineering Advancement and Mentoring (TEAM) Program is a hybrid of the past GUTEP summer program with the addition of school visits to local science classes. The Principal Investigator will continue to work with local school districts to incorporate transportation engineering-related topics into the science curriculum. This will start during Engineer’s Week in February and culminate with a design/build competition during a fall E-citing visit day. Since the middle school curriculum contains hard science and algebra, which are directly related to engineering, this program will enhance classroom instruction with “hands-on” experience. The hands-on activities will be comprised of basic engineering laboratories tailored for the middle-school student with some exposure to physical science from the seventh- and eighth-grade curriculum. The school class projects will be a bridge design/build competition and a solar car race. This year’s summer program will have a concentration in energy technologies. Students will use real world examples and new technologies in their hands-on activities. The strategy of this program is aimed at producing students who know “how to find out” and “how to examine and evaluate evidence.”

START DATE: 1/10/2010
END DATE: 12/31/2010
BUDGET: $43,425

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