

962-R1-1199

Rahim G Karimpour* (rkarimp@siue.edu), Department of Mathematics, Southern Illinois University Edwardsville, Edwardsville, IL 62026-1653. *A Secondary School Program in Science, Mathematics, and Engineering Enrichment fo Future Women Scientists.*

The program which was funded by National Science Foundation, is designed to immerse students in research, teaching content in science, engineering, and mathematics on a "need to know" basis. Engaged learning of a real life concern, water quality of our rivers and streams, is expected to motivate students to learn the skills and backround needed to collect, analyze, and interpret data. This program, like most summer science camps, is intended to motivate students to excel in sciences, engineering, and mathematics. Therefore, the design of the project contains current educational philosophy: engaged learning, integration of subjects, cooperative groups or teams, and inclusion of technology. (Received October 02, 2000)