DELAWARE GK-12: IMPROVEMENT OF SCIENCE EDUCATION IN VOCATIONAL TECHNICAL HIGH SCHOOLS THROUGH COLLABORATIVE LEARNING AND COTEACHING

MADSEN, John (1), WATSON, George (2), SCANTLEBURY, Kathryn (3), ALLEN, Deborah (4), DONHAM, Richard S. (5), and QUILLEN, Amy (6),
(1) Department of Geoscience, Univ of Delaware, Newark, DE 19716, (2) Perdue College of Agriculture, University of Delaware, Newark, DE 19716, (3) Department of Chemistry and Biochemistry, Univ of Delaware, Newark, DE 19716, (4) Department of Biological Sciences, Univ of Delaware, Newark, DE 19716, (5) Mathematics and Science Education Resource Center, Univ of Delaware, Newark, DE 19716, (6) Instructional Services, New Castle County Vocational Technical School District, Wilmington, DE 19808.

Funding Agency - National Science Foundation, Division of Graduate Education
Graduate Teaching Fellows in K-12 Education (GR-12)

2006-07 Graduate Fellows
2006-07 Science Teachers

Project Evaluation
The primary evaluation includes assessment (internal and external activities). The Foundation's and Assessment Center for Mathematics and Science Education (K-12) Center in D.C. will serve as the external evaluator for the program implementation. Dean Copeland will provide support and guidance for the Education Center for Mathematics and Science Education (K-12) Center in D.C. The evaluation will be conducted in Fall 2006 and in Fall 2007.

http://www.usdl.gov/GK12/

Project Description
The University of Delaware is collaborating with the New Castle County Vocational Technical School District in a GK-12 Center for Teaching fellowship for the delivery of the professional development program. The Center for Teaching Fellowship is designed to provide early career science and mathematics teachers with the skills, tools, and resources they need to achieve greater success in their classrooms; to be selected for service as fellows. Participation in the GK-12 program is voluntary. The program provides funding for a young scientist to work closely with an experienced science teacher for a one-year period, focusing on the partner's classroom setting. Fellows will be mentored by experts in science education and science content, with the goal of increasing the fellows' understanding of science and the teaching of science at the K-12 levels. Fellows will be expected to return to their high schools to teach courses in the areas in which they received training. The program is designed to provide a new perspective on the teaching of science at the K-12 level. Fellows will be expected to return to their high schools to teach courses in the areas in which they received training. The program is designed to provide a new perspective on the teaching of science at the K-12 level.

http://www.usdl.gov/GK12/