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Bringing Geospatial Technology (GIS) to the Curriculum

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Bringing Geospatial Technology (GIS) to the Curriculum Interim Report (Summer, 2010)

Co-Principal Investigators:

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Geographic Information Systems utilize data that has location information associated with it - a location such as an address or latitude and longitude. This leads to the ability to solve problems with an underlying spatial focus. Whether real-time sensing of scientific data, conducting market analysis, understanding socio-economic population trends, conducting epidemiological studies, or teaching kids how to better understand their world, GIS systems provide a unique way for students, faculty, researchers, and professionals from a variety of disciplines to understand, analyze, and visualize data in different ways.

Project Goals Accomplished

- Developed a ½ day hands-on workshop in GIS
- Delivered 2 of 4 workshops to faculty in New York and Pleasantville. Approximately 25 faculty representing Lubin, Seidenberg, Education, Dyson, and Lienhard attended.
- Began the development of interdisciplinary GIS community to share ideas and resources
- Created a multi-campus GIS learning lab. Both the Mortola Library in Pleasantville, and the Birnbaum Library in New York have ESRI licenced classrooms for GIS.

Time table for completion of the grant activities

September 2010 –November 2010

Offer 2 seminars (1 in NY, 1 West)