

## **EDUCATION:**

- Ph.D. Cornell University, Education (1997)  
*Dissertation: Professional Isolation and Connection among High School Science Teachers in Upstate New York, a study inspired by teachers' use of on-line communication.*
- M.S. Cornell University, Education, minors in Conservation & Sustainable Development, and Communications (1995)
- B.A. Stanford University, Human Biology major  
with a concentration in Environmental Management (1990)

## **Education Consulting**

- **Cold Spring Harbor Laboratory/Dolan DNA Learning Center, Cold Spring Harbor, NY (2008-present)**

Conducting external evaluations of the Silencing Genomes, Inside Cancer and Genes to Cognition Online projects, including project management, on-line survey development, analysis, report writing, concept map assessments, experimental studies, standards alignment, and development of training materials. Coordinating study participants located across the United States.

- **Empire State College (2005-2006) – Adjunct Professor**

Helped to develop a course on educational evaluation for Empire State College's Masters in the Arts of Teaching program. Taught the science education section of this course using an on-line instruction system for students located throughout New York State. One of the senior Empire State College faculty has told me that my comments on student papers were "comprehensive, appropriately evaluative, supportive and on-target." A poster based on the work of this course was accepted for presentation at the 2<sup>nd</sup> International Conference on Concept Mapping.

- **Education On-Line, Leesburg, VA (2005-2008)**

Conducted an evaluation of the effectiveness of an interactive TV program that teaches middle school mathematics. Conducted a literature review to find best practices for incorporation into an on-line tutoring project.

- **Menzie-Cura Associates, Chelmsford, MA (2002-2006)**

Conducted an evaluation of a computer based curriculum on indoor air quality. Used surveys, interviews, classroom observations and a custom-designed content test. Evaluated student learning, teacher experience, and the software's user interface. Generated a report that identified opportunities and flaws in the implementation of the software and which the client was able to use to apply for additional funding from the National Institutes of Health. Asked to return as the evaluator for the next phase of the project. Project director's comments: "I would say your evaluation was instrumental in determining the feasibility of the product for classroom use. We relied on your guidance to determine the types of information needed to evaluate the product's usefulness for teaching high school students about environmental health concepts. Your own comments on the product as well as your observations of student and teacher reactions to the product were valuable. You provided us with information that will help us further develop the product."

- **Poughkeepsie Day School, Poughkeepsie, NY (2004-2005)**

Reviewed options for distance learning and explored how the school might offer advanced and other specialized classes. Provided a thorough review of their options, which impacted school planning and the decision to postpone distance education due to budget considerations.

- **Metis Associates, New York, NY (1999-2003)**

Completed educational assessments that impacted school district planning as part of a team of researchers. Conducted a two year evaluation of the use of laptop computers in a Bronx school district, which led the district to seek and ultimately receive approval for program expansion. Performed

statistical analysis for the Greater Cleveland, Ohio school district that allowed the district to restructure the school system. Developed a new client report format that allowed staff at Metis Associates to deliver reports with much less cost to the client. Involved with data collection instrument design, survey implementation, classroom observations, data analysis, and report writing for several projects, as well as the creation of project budgets and workplans.

- **Hewitt School, New York, NY (1998-2000)**

Conducted an evaluation of the use of laptop computers at the Hewitt School. Headmistress was appreciative of the detailed information in my reports.

- **University of California-Santa Cruz (1996-1999) – Post-Doctoral Researcher**

**Virtual Canyon Project:** Provided major assistance in the development of a method, based on the construction and analysis of open-ended concept maps, which can be used to assess student understanding, and to compare the understanding of groups of students studying different topics, for a study of the *Virtual Canyon*, a project that fostered student participation in science. Prepared a paper on the method that was accepted for publication in the International Journal of Science Education. Researched learning outcomes and assisted with instrument design, data collection, statistical analysis and report writing. **California Consortium for Teacher Development:** Facilitated email discussions in this consortium which brought together educators from schools and universities around the state to discuss issues of literacy. **Shared Values Project:** Served as project director and worked with two teachers to demonstrate how concept maps can be used to teach nine and ten year old children about values and help them express their religious traditions in order to reduce prejudice. Documented how students used what they learned to back away from confrontation.

## Leadership

- **Dance Critics Association, President & Board Member (2008-2010)**

For this national non-profit, put systems in place that have consistently produced a newsletter of high quality, and brought a well regarded conference to fruition with the assistance of a staff person. Struck a balance between consulting the full Board and members, and making rapid executive decisions. Oversaw the hiring of a new administrator and election of new Board members. Increased the visibility of the organization, while maintaining basic fiscal soundness, which has resulted in an organization with a re-energized membership and leadership.

- **Cornell Education Society (graduate student organization for the Cornell University Department of Education), President (1995-1996)**

Organized a series of seminars and represented student interests to the Education Department administration.

- **GreenStar Cooperative Market, Ithaca, NY, Vice-President & Board Member (1992-1995)**

Helped the cooperative emerge from a crisis and grow from about \$1.5 million of business per year to about \$4 million of business per year, which foundation has supported continued growth. Guided the resolution of several policy issues, such as what the product line guidelines should be, and how member labor should be organized.

- **Member of the Editorial Board of the International Journal of Science Education (ongoing)**

Review papers to make recommendations for publication.

**Additional experience:** conducted an analysis of network bandwidth needs of NYC DOE school buildings; developed concept maps for Proctor & Gamble, real estate and power industry clients; conducted a market research study for a major dance studio; designed a customer relationship management system for a thermoplastic polymer alloys company; built several web sites, including one with over 3000 pages of content; business manager for a store; digital photography and video experience; won a Toastmasters International public speaking contest.