



# HCMM Design

HealthCare MultiMedia

## Professional Narrative Bio

Dr. McKnight is committed to student-centered learning, professional collaboration and information dissemination to improve education, healthcare and organizational practice. In 1992, she launched Healthcare Multimedia Design, <http://www.hcmmdesign.net/>, *designing solutions to connect people with information*. In collaboration with colleagues in healthcare, adult education, supported employment and substance abuse, various non-profit, government and business projects have been created. She has reviewed scientific papers for the American Medical Informatics Association, the International Journal of Instructional Technology & Distance Learning, and health literacy grant applications for the National Institutes of Health.

Currently, she offers seminars on the Principles of Online Design, teaches Curriculum Development online, and mentors doctoral students in the Educational Technology program at Walden University. She has also taught Curriculum Development in Adult Education online at the School of Education at Virginia Commonwealth University. Following is a summary of collaborative project development:

- The *Principles of Online Design* <http://www.fgcu.edu/onlinedesign>, benchmarks of quality developed at Florida Gulf Coast University, received the highest award of five stars from Multimedia Educational Resource for Learning and Online Teaching (MERLOT).
- Disaster and medical resources were developed for the Medical Services (MED) of the Partnership for Peace Information Management System (PIMS) <http://www.pims.org/about>, a Department of Defense project in collaboration with the Republic of Georgia, the Uniformed Services University for the Health Sciences (USUHS), and US Armed Services.

- The curriculum, *Criminal Justice Substance Abuse Cross Training*, was developed to improve communication between mental health, substance abuse, and criminal justice professionals for the Virginia Addiction Training Center (VATTC) at Virginia Commonwealth University.
- Five CD programs were developed for Rehabilitation, Research and Training Center on Supported Employment (RRTC) <http://www.worksupport.com/> at Virginia Commonwealth University.
- Three interactive CD-ROMs were developed for the Health Training Division of Coastal Training Technologies Corporation in Virginia Beach, VA. <http://www.coastal.com/Health/hospitalhealthcare.html>, including *Fire Safety: Mission Possible*, *Hazard Communication: Its a Two-Edged Sword*, and *Bloodborne Pathogens: Bloodbug Barriers*.
- Consultation for Project Star through Aguirre International to provide on-site training and technical assistance [http://nationalserviceresources.org/resources/tta/aguirre\\_project\\_star.php](http://nationalserviceresources.org/resources/tta/aguirre_project_star.php) to help Americorps programs develop assessment plans for literacy, pregnancy, violence prevention, and environmental education programs.
- *The Baby Game* was developed in 1990-92 at the University of Virginia to teach pregnant women about the dangers of Fetal Alcohol Syndrome. Published in *Computers in Nursing*, [\*HyperCard™ to SPSS™: Improving data integrity\*](#), most notably, participants were more willing to divulge sensitive information via computer than via face-to-face interview.
- Computer-based tutorials, developed for Claude Moore Health Sciences Library and the School of Nursing at the University of Virginia, were presented at the Symposium on Computer Applications in Medical Care (SCAMC), Computers in Healthcare Education Conference, and Conference on Multimedia in Education & Industry in Columbia, SC.

As Instructional Technology Coordinator at the School of Nursing, Virginia Commonwealth University (VCU), we used innovative technologies in the RN to BSN and Family Nurse

Practitioner (FNP) programs. Consulting with faculty at the VCU School of Dentistry, we developed a prototype to help students prepare for dental boards. Research interests include technological innovation, health literacy and curriculum development for the health sciences.