

Projects and Personnel Representing UK STEM Education Initiatives - March 2009

AGRICULTURE

Project Personnel		Project Title	Funding Agency	Project Goals and STEM Needs Addressed		
Hanley, Carol, PI	Tracy Farmer Center for the Environment	Information Technology through Community Based Natural Resources Program for Students and Teachers	NSF ITEST (DRL-0737271)	Middle and high school students and teacher training in using remote sensing technology to collect data on community-based natural resource problems and create 3-D computer models to simulate the issues. Collaboration between UK College of Agriculture and information technology staff from the Interactive Digital Center (IDC) at KCTCS.	\$1,155,525	2/1/08-1/31/11
Arthur, Mary, Co-I	Forestry					
Leukefeld, Carol, Co-I	Behavioral Science					
Floyd, Sondra, Co-I	Social Work					
Hanley, Carol, PI	Tracy Farmer Center for the Environment	Community Based Science Project #2	KY Department of Education (M-6189074)		\$59,638	7/1/06-6/30/08
Hanley, Carol, PI	Tracy Farmer Center for the Environment	The Living Streams Unit of Study	University of Louisville (G03-1016-02)	Develop units of study for teachers and modify Living Streams exhibit to illustrate non-point source pollution	\$33,350	6/1/03-6/30/08
Hanley, Carol, PI	Tracy Farmer Center for the Environment	Comprehensive Commonwealth Water Education Project	University of Louisville (G03-1016-03)	Provide professional development and training for teachers and other personnel in the Upper Cumberland, Kentucky and Big Sandy river basins	\$36,610	6/1/03-6/30/08
Hanley, Carol, PI	Tracy Farmer Center for the Environment	Community Based Science for Teachers	KY Council on Postsecondary Education (PO2 415 06000047411)		\$120,000	1/1/07-6/30/08

Hanley, Carol, PI	Tracy Farmer Center for the Environment	Exploring Elk in Eastern Kentucky	Boyle County Schools (USDA11107)	Provide students opportunity to study a real-life agricultural science problem with researchers from UK and the KDFWR who are responding to a highly visible problem of regional interest to help find answers to wildlife and wildland conservation and ecotourism issues	\$28,000.00	9/1/07-12/31/08
Hanley, Carol, PI	Tracy Farmer Center for the Environment	Exploring Energy with Kentucky Teachers	KY Office of Energy Policy (PO2 855 0700007251 1)		\$24,898.00	7/1/07-6/30/08
Hanley, Carol, PI	Tracy Farmer Center for the Environment	UK Environmental Education Council	KY Department of Education (P02 407 0700006239 1)		\$111,000.00	2/15/07-6/30/08
Yanarella, Ernest, Co-I	Political Science					
Horstmeier, Robin, PI	Community and Leadership Development	University of Kentucky as a Land Grant Leader: Improving Teacher Education in the Commonwealth, UK Perkins Leadership Project	Kentucky Department of Technical Education (P02 531 0700010812)	Statewide professional development activities to improve teacher preparation (in-service teachers from business and industry and pre-service teachers working on a four year degree) programs.		9/15/07-6/30/08