

NKU, OFFICE OF RESEARCH, GRANTS, AND CONTRACTS
PROPOSALS SUBMITTED
FISCAL YEAR 2005 (JANUARY 2005)

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Biological Sciences	Richard Boyce	Acquisition of a Carbon-Hydrogen-Nitrogen-Sulfur Element Analyzer	National Science Foundation	01/27/2005	7/1/05 - 6/30/06	\$67,558

Acquisition of an element analyzer for carbon, nitrogen and sulfur. This instrument, with associated equipment for sample preparation, will be used for research and teaching in a number of areas.

Biological Sciences	Nicole Minor	Identifying new genes involved in oogenesis	National Institutes of Health Academic Research Enhancement Award (AREA)	01/21/2005	1/1/06 - 12/31/07	\$196,650
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This project will screen an ovarian cDNA library to look for proteins that interact with Stwl. Stwl has been identified as a protein that is necessary for germline stem cell maintenance and differentiation. This project hopes to find new proteins that are involved in this process, and proteins that interact with Stwl are likely to be key players in stem cell differentiation.

Center for Applied Ecology	Molly Reif	Mapping Forest Restoration Potential in Northern Kentucky (Kenton and Campbell Counties)	U.S. Dept. of Agriculture	01/18/2005	7/1/05 - 6/30/06	\$30,000
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Mapping Forest Restoration Potential in Northern Kentucky (Kenton and Campbell Counties) is a GIS-based research project that proposes to map and identify unique forest restoration opportunities based on the analysis of critical landscape variables.

Educational Specialties	Stephen Walker	Kentucky Traineeship Program in Special Education	Kentucky Department of Education	01/31/2005	7/1/05 - 12/31/06	\$1,327,526
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This project is a continuation of the Traineeship program that has been operated from NKU for the past three years. It provides tuition support for teachers wishing to become certified in special education or early childhood education at the seven public universities and seven of the private colleges and universities in Kentucky.

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Elementary, Middle, and Secondary Programs	Carol Ryan	Living Well Through Nutrition and Regular Physical Activity	Kentucky Department of Education Teacher Academy	01/18/2005	4/1/05 - 6/30/05	\$60,000

This project will provide for a teacher academy sponsored by the Kentucky Department of Education in the area of practical living. It is designed for P-12 health and physical education teachers and will focus on knowledge, skills and dispositions on wellness and reducing obesity.

Elementary, Middle, and Secondary Programs	Carol Ryan	The American Diploma Project Enhanced Curriculum: Impacting Current and Future Teachers	Education Professional Standards Board	01/05/2005	1/1/05 - 6/30/05	\$22,485
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The purpose of this project is to provide professional development for an identified group of practicing secondary mathematics and English language arts teachers such that they can develop a college and work-ready curriculum as defined by the Council of Partners' American Diploma Project implementation initiative.

Mathematics & Computer Science	Linda Sheffield	The AAA Project: Articulating Algebra for All	Kentucky Council on Postsecondary Education Improving Educator Quality	01/04/2005	3/1/05 - 6/30/06	\$300,000
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"The AAA Project: Articulating Algebra for All" is designed to develop curriculum and instructional resources and train all middle grades math teachers and all high school algebra teachers to strengthen the algebra curriculum, instruction and assessment in four partner districts - Covington, Ludlow, Newport and Pendleton.

Office of the Dean of Education	Lynne Smith	Reading First Coach (Supplemental Funding)	Kentucky Department of Education	01/11/2005	7/1/04 - 6/30/05	\$12,379
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This supplemental funding will provide consultant trainers for additional Reading Project activities and Summer Institutes to provide reading and writing instructional practice strategies for elementary school teachers to use their school data to develop a Literacy Action Plan to implement in their schools.

Office of the Dean of Education	Lynne Smith	Northern Kentucky Writing Project	National Writing Project	01/10/2005	7/1/05 - 6/30/06	\$43,000
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These funds will be used in conjunction with the state-awarded funds to run the Northern Kentucky Writing Project. The federal funds will be used primarily for outreach activities.

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Physics and Geology	Janet Bertog	Acquisition of the Rigaku Ultima III X-ray Diffractometer for Undergraduate Research and Education at Northern Kentucky University	National Science Foundation	01/27/2005	1/1/06 - 12/31/06	\$248,530

Acquisition and maintenance of an x-ray diffractometer for research and teaching in the sciences.

Physics and Geology	Charles Hawkins	Digital Science Partnership	National Aeronautics and Space Administration	01/31/2005	1/1/05 - 12/31/06	\$1,588,572
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Project establishes a digital planetarium at NKU and remote observing capabilities in the planetarium at University of Louisville. The systems will be used in introductory classes and in upper level student projects. In addition, outreach programs for P-12 students will be established and materials created for use by students that visit the planetariums.

Physics and Geology	Scott Nutter	CREAM II Timing Charge Detectors	National Aeronautics and Space Administration (NASA)	01/24/2005	12/1/04 - 11/30/07	\$150,000
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This project will participate in the design, fabrication, testing and integration of plastic scintillator-based detectors for the new CREAM-II experiment.

Technology	Melody Rawlings	Dreamweaver and Web Design Basics	Kentucky Cabinet for Workforce Development	01/06/2005	6/1/05 - 6/30/05	\$1,675
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A workshop will be conducted to go through the basics of designing a website with Dreamweaver through step-by-step directions and guided exercises.

Technology	Melody Rawlings	Using Blackboard to Increase Interaction and Reinforce Learning in the Classroom	Kentucky Cabinet for Workforce Development	01/06/2005	6/1/05 - 6/30/05	\$1,040
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Training will be conducted through a hands-on approach of practical applications of the Blackboard system for busy teachers.

Total Number of Proposals: 14

Total Funds Requested: \$4,049,415