SCHOOL OF APPLIED HEALTH AND EDUCATIONAL PSYCHOLOGY (SAHEP)

Resources Management Plan
This project will integrate the use of a statewide Geographic Information System (GIS) in the sponsor’s programs by developing a centralized database to effectively serve as a library for geo-referenced infrastructure, facility, visitor, natural resources, financial, inventory, tourism, and other data. It will facilitate management of extensive digital data sets, transfer of data, and cooperation with outside agencies and the public. It will also identify and procure remote sensing data and integrate the GIS with remote sensing and better manage data internally as well as provide data to the public in a visual format. The purpose and scope of the resource management plan (RMP) is to provide background information, identify the policies and goals governing the management of individual state parks and their incorporated resources, summarize the plan’s components, and provide descriptive and historical information of the project. The RMP provides the basis for management of the continuing public demand to utilize Oklahoma’s state parks. The ultimate purpose of the RMP project over a number of years is to establish a management framework for the conservation, protection, enhancement, development, and use of the physical and biological resources in all of the state parks in Oklahoma.

Sponsor: Oklahoma Tourism and Recreation Department
PIs: Lowell Caneday and Deb Jordan

On September 24 – 25, 2011, the Oklahoma Department of Wildlife Conservation hosted the Wildlife Expo at Lazy E Arena near Guthrie. On behalf of Oklahoma State University, the principal investigators administered an exit interview similar to that utilized in prior years. The sample was a purposive, voluntary group of respondents exiting the Wildlife Expo. This interview and sampling protocol are subject to approval by the Oklahoma State University Institutional Review Board (IRB) in compliance with federal law related to protection of human subjects in research.

Sponsor: Oklahoma Department of Wildlife Conservation
PIs: Lowell Caneday and Michael Bradley

National Trails Surface Study
This project will assist Indiana University to evaluate the current status of accessible National Park Service (NPS) programs, facilities and services in order to determine the needs for training, technical assistance and research needed to improve the level of services. The goals of the project are designed to increase awareness and knowledge of how to ensure that people with disabilities have equal access to park and recreation facilities, programs and opportunities.

Sponsor: Indian University for the National Park Service
PIs: Lowell Caneday and Michael Bradley

Oklahoma Network for the Teaching of Psychology (ONTOP)
The grant supports the creation of the Oklahoma Network for the Teaching of Psychology (ONTOP), which will have an annual conference. ONTOP will bring together individuals involved in the teaching of psychology in Oklahoma at all educational levels (high schools, 2-year colleges, 4-year colleges, and universities). In Oklahoma, there are 47 institutions offering a degree in psychology or behavioral sciences and numerous high schools where psychology courses are offered. These institutions are spread across the 181,000 square miles of the state. The first annual conference will be held on Friday Sept 21st at the Renaissance Hotel in downtown Oklahoma City.
Sponsors: Association for Psychological Science, American Psychological Association, Society for Teaching of Psychology
PI: Sue Jacobs
College of Arts & Sciences: Shelia Kennison

Play Golf America University
The Play Golf America University at Oklahoma State University is the direct result of the contributions of alumni who have had the talent to be a part of past Professional Golf Association (PGA) Ryder Cup teams. Every member of the Ryder Cup team is allotted money to be distributed to charities and universities. The university moneys are to be spent on the Play Golf America University. Hunter Mahan, as Ryder Cup team members have designated PGA moneys to be given to OSU. The Play Golf America University is designed to teach students the fundamentals of golf as well as the opportunities to utilize golf in the business world. PGA professionals are hired to teach 32 hours per session divided into multiple class meetings. There are at least 2 sessions each fall and spring term. As of 2009, the Play Golf America University will also include a golf celebration day to encourage all students to explore the benefits of golf, and an intramural program that will qualify winning competitors to participate in the national PGA intramural tournament.
Sponsor: PGA Rider Cup for Hunter Mahan
PI: Donna Lindenmeier

Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR-UP)
A comprehensive five-year program, GEAR-UP utilizes diverse public and private two-year and four-year institutions, a state agency; non-profit community based organizations, and Tulsa Public Schools. As a main objective, the program works with approximately 1,200 middle school students and encourages them to stay in school, study, and prepare for college or vocational training.
Sponsor: US Department of Education
PI: Al Carlozzi

Helping Moral People Act Ethically
The goal of this project is to develop a freestanding, one-hour ethics class focused on helping students and professionals to avoid acting unethically. It will be unique among ethics classes in that it will teach students why people act unethically and how they might decrease the probability that they will act unethically when confronted with an ethically challenging situation.
Sponsor: National Science Foundation (NSF)
PIs: R. Steven Harrist
College of Arts & Sciences: Scott Gelfand, Sheila Kennison
College of Engineering: Martin S. High

Difficult Dialogs
Solutions to the most pressing challenges faced by our society, including education, physical and psychological health, developing safe, productive communities, and promoting democracy in a pluralistic society, require approaches that transcend traditional academic disciplines. Developing innovative solutions to these critical needs necessitates the service of individuals who are capable of working cooperatively with those from differing traditions to provide ethical leadership drawing on multiple disciplines. This project is aimed at funding key elements of the Undergraduate Ethical Leadership Certificate Program, particularly the Ethics and Leadership Conference and Deliberative Forum. The Undergraduate Ethical Leadership Certificate Program (UELCP) at Oklahoma State University is an academic, co-curricular certificate program designed to teach undergraduate students to promote the common good by becoming effective, ethical leaders. The goal of the program is to address the need for ethical leaders in a pluralistic society. The Ethical Leadership Program will enhance OSU’s
academic programs by coordinating teaching and scholarship regarding ethics and leadership among students and faculty from across the university. UELCP will advance the understanding of ethics and leadership and promote ethical leadership practices on the OSU campus and in the wider community.

**Sponsor:** University of Missouri for the Ford Foundation  
**PIs:** Sue Jacobs

**G.E.T. (Geoscience Experiences for Teachers) in the Field**
The three objectives of this project are to (1) improve the Earth system science content knowledge and pedagogical competencies of 6-12 science teachers through authentic geoscience experiences with geoscientists; (2) facilitate meaningful interactions between the geosciences research community and educators that promote learning about Earth system science concepts; and (3) strengthen 9-12 geosciences education in formal settings through integration of geosciences experiences. This innovative research will enhance our limited understanding of providing geoscience professional development opportunities to non-Earth Science inservice high school teachers. By addressing this gap in a crucial knowledge base, we will be contributing valuable research results to the fields of science teacher education and geoscience education.

**Sponsor:** National Science Foundation  
**PI:** Toni Ivey  
**STCL:** Julie Thomas  
**College of Arts & Sciences:** Jim Puckette

**Practicum Programs**  
Programs provide students with pre-professional clinical experience.

**Sponsor:** Associated Centers for Therapy, Inc. Counseling Psychology paid practicum  
**PI:** Al Carlozzi

**Sponsor:** Associated Therapeutic Services, Enid; Counseling Psychology paid practicum  
**PI:** Barb Carlozzi

**Sponsor:** Oklahoma University Health Sciences Center; Counseling Psychology paid practicum  
**PI:** Julie Dorton

**Sponsor:** Stillwater Public Schools, Shawnee Public Schools, Yukon Public Schools, Jennings Public Schools. School Psychology paid practicums  
**PI:** Gary Duhon and Terry Stinnett

**Sponsor:** Payne County Youth Services; Stillwater Domestic Violence Services: Counseling Psychology paid practicum  
**PI:** Sue Jacobs

**Sponsor:** Stillwater Medical Center, Stillwater High School, Advanced Chiropractic Center, Logan Medical Center, Dr. Donald Crawley, MD. Athletic Training practicum  
**PI:** Matthew O’Brien

**Sponsor:** Stillwater Fire/City of Stillwater, Guthrie High School: Athletic Training practicum  
**PI:** Aric Warren
**Sponsor:** Stillwater Schools & YMCA. Recreation Swim  
**PI:** Patricia Hughes

**Sponsors:** Camelot of Oklahoma; City of Fort Collins; University Health Sciences Center: Therapeutic Recreation practicum  
**PI:** Tim Passmore

**Sponsor:** Stillwater Public Schools; Unity Health Center Shawnee: Health Promotion practicum.  
**PI:** Bridget Miller

**Sponsor:** Payne County Youth Services. Counseling Psychology paid practicum  
**PI:** Carrie Winterowd

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**SCHOOL OF EDUCATIONAL STUDIES (SES)**

**NASA Interdisciplinary National Science Project Incorporating Research and Education Experience Cooperative Agreement**  
The NASA Interdisciplinary National Science Project Incorporating Research and Education Experience, or INSPIRE, is a multi-tiered student pipeline project for students and their parents. Participating students must be in grades 9-12 or in their freshman year of college. INSPIRE is designed to provide grade-appropriate NASA-related resources and experiences to encourage and reinforce students’ aspirations to pursue science, technology, engineering and mathematics, or STEM, education and careers.  
**Sponsor:** National Aeronautics and Space Administration (NASA)  
**PI:** Steven K. Marks

**NASA Explorer Schools Project Cooperative Agreement**  
The NASA Explorer School (NES) project, launched in 2003, is designed to support educators’ use of NASA’s engaging mathematics, science and technology with students and families through sustained professional development, exciting student learning opportunities, integration of technology, and involvement of parents. Through the NES project, NASA establishes a three-year partnership with up to 50 school teams each year. School teams consist of teachers and education administrators of under-served students in grades 4-9 from diverse communities across the country. Educators and students in a NASA Explorer School become involved in the excitement of NASA research, discoveries and missions through participation in engaging NASA learning adventures and scientific challenges.  
**Sponsor:** National Aeronautics and Space Administration (NASA)  
**PI:** Steven K. Marks

**NASA Digital Learning Network (DLN) Project Cooperative Agreement**  
The NASA Digital Learning Network broadcasts programs from each NASA center. Each NASA has a studio with Instructional Technology Equipment. Students of all ages experience out-of-this-world interactive learning with NASA’s Digital Learning Network. Free, interactive programs allow K-12 students to learn more about our home planet and the universe beyond through video-conferencing and Web casts. Students of all ages can participate in live events featuring NASA experts and education specialists. The catalog of events and Web casts announcements contain lessons, activities, and presentations that meet instructional objectives.  
**Sponsor:** National Aeronautics and Space Administration (NASA)  
**PI:** Steven K. Marks
NSTA Integrating NASA Digital Education Assets (IDEA) Project
The Integrating NASA Digital Education Assets (IDEA) project implemented by the National Science Teachers Association (NSTA) developed a transformative, scalable model at the school district level that was designed to sustain electronic professional development (PD) for science teachers. The collaboration between NSTA and Oklahoma State University (OSU) leverages NSTAs partnership with the GE Foundation and their ongoing STEM education effort in the nations schools. The project goals emphasize increasing teacher content knowledge and pedagogical effectiveness using NASA mission-centric content areas in Earth and Space Sciences. The method used blended electronic delivery of professional development using NASA content that has been tightly aligned with district curricula and state standards. Tools used included NASA-sponsored web seminars and online short courses utilizing NASA-sponsored online teacher modules called SciPacks/Science Objects (SOs) and existing NASA curriculum support resources, which were findable through The NSTA Learning Center for the partnering school districts. OSU offered graduate credit for participants.
**Sponsor:** National Science Teachers Association
**PI:** Steven K. Marks

SCHOOL OF TEACHING AND CURRICULUM LEADERSHIP (STCL)

Transitioning Engineering Research to Middle Schools (TERMS)
This project involves 24 6th-9th grade teachers and 12-15 REU students in combined research and K-12 content development. The program consists of pre-visit preparation, six (teachers) and twelve (REU students) week summer research experience, and follow up academic interactions between RET teachers, OSU faculty, REU students, and middle schools students. TERMS recruits teachers from low income, rural, and Native American communities; under-represented groups in engineering programs both locally and nationally. By developing techniques to translate research experiences into K-12 content TERMS will contribute pedagogical techniques to the national STEM knowledge base. The educational focus on emergent phenomena addresses a need to do research on how best to introduce ideas of complex system behavior at the K-12 level, critical to building a scientific workforce.
**Co-PI:** Juliana Utley

Junior Science and Humanities Symposium
Students from Kansas, Oklahoma, and Nebraska visit the OSU campus to present projects in a regional competition in science, mathematics, and engineering. The winners of the regional competition will then compete for additional scholarships at the national conference.
**Sponsor:** Academy of Applied Science
**PI:** Julie Angle

Global Climate Change: Literacy for Educators: Using On-Line Professional Development to Iterate Content and Pedagogy
Oklahoma State University has been selected to evaluate the UNL program utilizing a mixed-methods evaluation strategy. This study employs both qualitative and quantitative data to describe the ways in which the online course design and implementation impacts teachers’ content knowledge and students’ learning.
**Sponsor:** University of Nebraska, Lincoln for NASA
**PIs:** Julie Thomas

OSU Writing Project
An affiliate of the National Writing Project, the OSU Writing Project is a collaborative school-university program dedicated to improving the quality of instruction in elementary and secondary schools through staff
development training for teachers. The OSU Writing Project offers a summer institute for classroom teachers who want to improve their own writing skills and involve their students in more writing activities. Teachers must apply to the summer institute, and those accepted receive a stipend towards tuition and books. Participants study current theories of teaching writing and share their own best practices. The 2004 project was the thirteenth in a row to be funded by the National Writing Project, Berkeley, California.

**Sponsor:** National Writing Project

**PIs:** Christine Ormsbee

**English:** Carol Moder, Britton Gildersleeve

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**Osher Lifelong Learning Institute and the OSU College of Education**

OLLI @ OSU is a program of educational courses for people who want to enrich their lives through new learning experiences and the sharing of ideas, opinions, and talents. Courses on a variety of topics are offered each semester to retirees and other adults in the community. Instructors are qualified volunteers who have a broad knowledge in a particular area of study and want both to share their knowledge and interact with others interested in the same area. OLLI is a membership organization sponsored by the Osher Lifelong Learning Institute and the OSU College of Education. OLLI @ OSU is supported by the OSU Emeriti Association. OLLI is governed by an Executive Committee elected by the membership. Members may attend classes and social events and give input regarding the selection of instructors and courses offered. Member fees and support from the Osher Foundation fund OLLI @ OSU operating costs.

**Sponsor:** Osher Foundation and the College of Education

**PI:** Pam Fry

**OLLI Project Director:** Ruthann Sirbaugh