

2008 EDUCATIONAL OUTREACH GRANTS, \$635,655

Boys and Girls Club del Norte (Chimayo), \$15,000* to develop, implement and evaluate a computer literacy program for elementary school children in the communities of Chimayo and Abiquiu.

Canones Early Childhood Center, \$15,000** to develop, implement and evaluate a research-based, developmentally-appropriate math literacy program for preschool children.

Chamisa Elementary School (Los Alamos), \$15,000 to support the school science curriculum by providing hands-on experimentation kits, technology-supported instruction, teacher professional development in science education, and science-based field trips.

Citizen Schools (Albuquerque), \$14,000 to develop and implement successful middle-school STEM apprenticeships in the Santa Fe region.

Dixon Elementary School, \$15,000 to build a community-accessible, solar-powered, fruit-drying kiln as part of the school environmental outdoor science lab. Students will improve their science and math skills while they gather, organize, and mathematically interpret data collected in a controlled outdoor area as they explore solar technology.

Earth Works Institute (Santa Fe), \$15,000 to train teachers at Charter School 37, El Dorado Elementary School, Gonzales Elementary School, and Turquoise Trail Elementary School using living classrooms on school sites and at critical resource restoration sites as an integrating context for staff and student learning.

Earth's Birthday Project (Santa Fe), \$15,000 in core operating support to foster inquiry-based science and mathematics instruction as a sustainable, permanent component of elementary and middle-school education in all public schools in the north-central counties of New Mexico.

El Centro de Los Ninos (Tierra Amarilla), \$10,000 for early childhood classroom STEM programs, materials and staff training to ensure development of core skills essential to student long-term achievement in the fields of science, math and engineering.

Embudo Valley Library and Community Center, \$5,000 to evaluate and update youth non-fiction and reference materials with a focus on STEM titles targeting elementary through high school students.

Eight Northern Indian Pueblos Council (San Juan Pueblo), \$10,000* to support the Department of Education college bridge programs working to successfully transition northern Pueblo youth from secondary to post-secondary education.

Espanola Public Schools Technology Department, \$15,000** to sustain and expand the Espanola Valley High School AutoCAD curriculum.

Espanola Regional Quality Center, \$85,000 to provide a continuous improvement support system for building district, school, and classroom capacity to achieve and sustain high levels of student and systems performance. (*LANS corporate funding*)

Explora Science Center and Children's Museum (Albuquerque), \$10,000* to provide experiential science education for third through fifth-grade students and their teachers from Title-1 eligible schools in Northern New Mexico.

Family Learning Center (Espanola), \$15,000 to build a computer and science lab to serve approximately 40 pre-K students with developmentally-appropriate technology/software and science materials.

The Forest Guild (Santa Fe), \$15,000 to support a Youth Conservation Corps program that provides youth from rural NNM communities with the science-based skills, hands-on experiences, and knowledge to pursue careers in the natural resource sciences and the foundation to become strong community leaders.

Futures for Children (Albuquerque), \$9,000 in core operating support to improve the quality of educational resources to K-12 American Indian students in Jemez and Tesuque Pueblos through mentoring and training. (*Year three of multi-year funding awarded/accrued in 2006*)

Girls Scouts of New Mexico Trails, Inc. (Albuquerque), \$15,000* to support a year-long literacy project which weaves together illustration, writing, story-telling, broadcasting, and technology in programming aimed at girls ages 6-13 who are from underserved areas including public housing and after-school programs in Espanola, Las Vegas, Santa Fe and Taos.

Girls Incorporated in Santa Fe, \$15,000 to expand and deepen the impact of Operation SMART, a program that offers girls (ages 5-18) hands-on activities that give them the opportunity to explore, ask questions and solve problems in science, technology, engineering and mathematics.

LANL/NNM Pueblo Elementary Schools Consortium (Espanola), \$15,000* to purchase supplies for Pueblo elementary school teachers and students to conduct workshops and classroom sessions in math and science.

The Literacy Center at UNM-Taos, \$15,000** to create a computer lab for adult literacy and GED students in Northern New Mexico to acquire the essential computer literacy/math and science competence necessary to succeed in an age of information and technology.

Monte del Sol Charter School (Santa Fe), \$15,000 to enhance existing integrated science courses and create an innovative course entitled GIS and Today's Questions, which uses geographic information systems (GIS), geographic positioning systems (GPS), and remote sensing to explore some of today's most intriguing problems in biological, physical and social sciences.

National Inventors Hall of Fame Foundation (Rio Rancho), \$10,000 to underwrite programmatic expenses associated with the implementation of six (6) 2008 Camp Invention programs at Rio Arriba, Sandoval and Santa Fe elementary schools serving low-income children, grades 1-6. Curricula for the programs emphasize hands-on approaches to learning science through inquiry, cooperation, and collaboration.

NM MESA, Inc. (Albuquerque), \$10,000 in core operating support to support pre-college programs at 28 Northern New Mexico middle and high schools as well as critical professional development to middle and high school educators in STEM disciplines.

NNM Math and Science Academy (Española), \$85,000 in core operating support to increase student learning and achievement by improving teacher practice using standards-based education and research-based concepts and instructional practices. (*LANS corporate funding*)

NNM Math and Science Academy (Española), \$15,000 in core operating support to facilitate planning for the introduction of reform science into the MSA curriculum and professional development.

Northern New Mexico College (Española), \$10,000* to support the Engineering and Technology Academy Bridge Program that allows high school students to concurrently enroll in science/technology classes, participate in IT internships, and get an early start on engineering and technology degree programs.

Northern New Mexico College (Española), \$15,000 to enable 11 students and 1 faculty member to attend a week-long intensive training to prepare for (and pass) the National Registry Exam for Radiologic Technologists required for field credentialing.

Pajarito Environmental Education Center (Los Alamos), \$11,000 in core operating support to provide Northern New Mexico students the opportunity to work with innovative environmental educators and scientists, learn fundamental scientific thinking skills, and use current technology-based, field science methods to understand earth systems.

Pecos Independent Schools, \$15,000** to fund a Science/Math Coach who will conduct hands-on outdoor learning and supervise the Science Fair while integrating math concepts curriculum.

Pojoaque Valley Schools, \$15,000** to establish and systemically strengthen a district-wide Science and Math Fair program that support academic achievement in the areas of Science, Math and Technology.

Pueblo of Pojoaque Boys and Girls Club, \$15,000** to enhance the technology curriculum of the MIRACLES Academy serving youth ages 10-13. With a strong curriculum in science and technology, the academy also integrates character and leadership activities, homework help, and community service projects into programs including ClubTech, Digital Arts Festivals, PowerHour, and LEGO NXT Mindstorms Robotics.

Rivers and Birds (Arroyo Seco), \$15,000* to support the Watershed Learning Project, a hands-on outdoor science program for public school fifth-grade classes.

Rocky Mountain Youth Corps (Taos), \$15,000 to support the Learning Lab, a technology center for expelled, suspended, or referred students aimed at providing safe, secure academic support and community service until these youth are reintegrated into Taos County school systems.

Santa Fe Alliance for Science, \$10,000** to support efforts to improve science education in Santa Fe by using volunteer scientists and engineers to engage kids vigorously in science and math through tutoring, mentoring, classroom presentations, teaching classes, and a "Science Cafe for Young Thinkers" lecture series.

Santa Fe Children's Museum, \$10,000 to support the Science Program - a program that involves children, teachers and parents in the scientific process, promotes exploration and conservation of nature, and encourages children's involvement in the sciences and nurtures their scientific discoveries.

Santa Fe Community College, \$13,155 to support STEM summer institutes for students and teachers that explore 3-D modeling, engineering design, ethics, and applied chemistry and physics tools.

Santa Fe High School, \$12,500 to support and expand existing engineering curriculum and increase student interest in STEM education utilizing a 3-D printer and an electrathon-style electric car.

Santa Fe Institute, \$15,000 to support Project GUTS (Growing Up Thinking Scientifically) at Taos middle schools (Taos Pueblo Day School, Yaxche School, Taos Middle School). This STEM program aims to engage students in place-based research projects that promote an understanding of complex systems and elucidate the use of computer modeling and simulation in scientific research.

Santa Fe Science Initiative, \$15,000* in core operating support to continue to expand the reach of improved inquiry science instruction in Santa Fe elementary schools.

Santa Fe Science Initiative, \$15,000 to maintain and expand the current reach of hands-on, inquiry-based, NSRC-endorsed professional development and mentor support for teachers in Santa Fe.

Santa Fe Teachers Institute, \$15,000** to pay for teacher honoraria after fellows have successfully written and published a math or science curriculum to be taught in their classroom.

St. Vincent Hospital Foundation (Santa Fe), \$7,500* to support the Healthcare Career Development Institute, a summer educational program designed to introduce qualifying 9th and 10th grade students to nursing and medical technician careers in healthcare.

Strengthening Quality in Schools (Albuquerque), \$15,000 to continue building a Baldrige Pilot District and Demonstration Schools at Pojoaque Valley Schools to continuously improve systems performance and academic achievement in math.

Supercomputing Challenge (Albuquerque), \$10,000* to enable teams from Northern New Mexico to participate in the Student Project Expo and Awards Ceremony where they are able to present their computational science projects, receive feedback from scientists, and celebrate their participation in the program.

Taos Charter School, \$15,000 to operate a student-run greenhouse business and energy education laboratory.

UNM-Los Alamos, \$10,000* to support the Transition to Success Summer Bridge Program providing high school and GED graduates tuition (up to 8 credit hours), books fees, tutoring and mentoring as a bridge to higher education.

UNM-Los Alamos, \$15,000 to assist GED students with their enrollment in undergraduate STEM courses and degree programs.

UNM-Taos, \$15,000 to support the STEM/Math Teacher Education Program.

UNM-Taos Adult Basic Education and the Family Resource Center, \$7,500* to create a community bridge for low-income residents of Taos County to transition from adult basic education to higher education.

Vecinos del Rio (San Juan Pueblo), \$15,000 to maintain the existing Mesa Prieta Petroglyph Project and to enhance the Summer Youth Internship and the "Discovering the Story of Mesa Prieta" school curriculum (grades 4-7) with innovative science, math and technology learning experiences.

YouthWorks! (Santa Fe), \$15,000 to implement Street Science, a hands-on math and science service learning program for high-risk students who are involved in the juvenile justice system or who have dropped out of school.

**Three-year grants awarded in 2006 and 2007*

***Three-year grants awarded in 2008*

2008 GRANT REVIEWERS

Robert Archuleta, Mesa Vista Consolidated Schools
Marie Atterbury, St. Michael's HS/ LAESF Gold Scholar
Raymond Chavez, Interfaith LEAP
Bobbie Gutierrez, Santa Fe Public Schools
Kristen Lucero, Efinity Educational Services/NNMC
Damon McGinn, Espanola Valley High School
Susan Nalder, NM Department of Health
Lisa O'Brian, Taos Community Foundation
Suzanne Odom, Montgomery & Andrews, P.A.
Scott Robbins, Los Alamos National Laboratory
Carole Rutten, Los Alamos National Laboratory
Cristal Suazo, Pueblo of Pojoaque Education Department