

2007 SMALL EDUCATIONAL OUTREACH GRANTS, \$33,000

Academy for Technology and the Classics (Santa Fe) \$1,000 to help purchase a lifetime subscription and warranty for a Weatherbug weather station (hardware and software) and a motion-capable camera to provide hands-on environmental science inquiry, observation, data collection, and analysis

Agua Fria Elementary School (Santa Fe) \$1,000 to engage students in inquiry-based scientific thinking and practice through the exploration of renewable and non-renewable energy modalities that will include the building of a solar-powered model car

Arroyos Del Norte Elementary School (Taos) \$1,000 for educational materials to implement an experiential collaborative unit of study (the "Marsville" project) designed to inspire students to pursue math, science and technology studies

Arroyos del Norte Elementary School (Taos) \$1,000 to purchase a printer, 4GB flash drive, DLP Projector, and PrintShop software to create a functional technology lab for 30 special needs students

Association of Fundraising Professionals - New Mexico Chapter (Albuquerque) \$1,000 to provide tuition waivers for NNM STEM nonprofits to attend professional development workshops in fundraising

Capital High School (Santa Fe) \$1,000 to help purchase Xplorer GLX Earth/Space, Life and Physical science inquiry systems (including PASPORT light, carbon dioxide, magnetic field, turbidity, weather, temperature and water quality sensors) to explore environmental conditions and problems through experimental procedures, observation, and accurate data collection, analysis and interpretation

Carinos Charter School (EPS - San Juan Pueblo) \$1,000 to purchase animals and feed to support life science courses in agriculture and animal husbandry

Carlos Gilbert Elementary School (Santa Fe) \$1,000 to purchase field guides, cameras, topographic maps (open space land), and a Garmin GPS 60 to study the ecotone characteristics of the Santa Fe region (including vegetation, slope, elevation and soil types)

Carlos Gilbert Elementary School (Santa Fe) \$1,000 to purchase Lego Mindstorm kits and materials to enable special education, gifted and talented, and resource students to build computer-interfaced, robot-type models through hands-on science materials, engineering manipulatives and advanced technology

Center for the Education and Study of Diverse Populations (CESDP) and the Ben Lujan Leadership and Public Policy Institute (Española) \$1,000 to send four New Mexico Highlands University students to the ATHGO (Alliance Toward Harnessing Global Opportunities) Fifth Annual Global Forum titled "Global Warming: Changes in Attitude Not the Weather" to be held at UCLA, February 27-March 1

DeVargas Middle School (Santa Fe) \$1,000 to fund registration fees, transportation, and supplies (reference books, specimen/collection sets, model-building materials and tools) to enable 40 students to participate in the regional and state Science Olympiad, increasing their interest and competence in the areas of science, math and engineering

Dixon Elementary School \$1,000 to purchase environmental and earth science materials including a weather station, soil test kits, specimen boxes, compost drum, rain barrel and hoses, and science journals to support a hands-on gardening/composting and recycling project

Educational Synthesis Foundation (Dixon) \$1,000 to plan a series of 4-hour workshops for students and adults that will examine the science/technology and engineering requirements for developing sustainable energy modalities within the Embudo Valley community

Embudo Valley Library and Community Center \$1,000 to help support Ahora Afterschool!, a homework and individual tutoring program with an emphasis on elementary math and science learning

Enos Garcia Elementary School (Taos) \$1,000 to support the "Make the Right Move Project" designed as a pilot, after-school program to develop math skills and critical thinking through the instruction of chess by older middle and high school peers/mentors. This program will also be a "laboratory school" pilot for UNM-Taos math instructors and students.

Family YMCA (Los Alamos) \$1,000 to provide hands-on equipment for Earth Service Corps, an environmental education service-learning program

Holy Cross School (Española) \$1,000 to purchase *Accelerated Math Learning Cards* to supplement the school's computer-based *Accelerated Math Program*, a program that facilitates the "self-paced" mastery of fundamental math concepts. These math supplemental materials will help students learn independently, master grade-level concepts, and improve problem-solving skills through practice and immediate feedback.

Kearny Elementary School (Santa Fe) \$1,000 to purchase innovative science kits for year-long, hands-on activities in physics, chemistry, astronomy, robotics, solar technology, engineering and electronics, as well as participation in a school-wide Science Exploratorium

New Mexico School for the Deaf (Santa Fe) \$1,000 to purchase equipment and materials to support hands-on astronomy studies for pre-K through 2nd-grade students

New Mexico Science Teachers Association (Albuquerque) \$1,000 to support a one-day laboratory safety training workshop for Northern New Mexico secondary science teachers

Pajarito Environmental Education Center (Los Alamos) \$1,000 to support Spring/Summer science and nature field trips for Los Alamos elementary schools

Pinon Elementary School (Santa Fe) \$1,000 to purchase equipment to support "Energy from Ions", a study of ionizing radiation by 6th-grade students

Pojoaque Valley High School \$1,000 to create and conduct hands-on activities in clean, renewable, environmentally-friendly energy using wind-generated electricity produced from a simple, wind-driven turbine

Ranchos Elementary School (Taos) \$1,000 to purchase 4th-grade science readers to enhance the science and reading curriculum for students reading below grade level

Rivers and Birds (Arroyo Seco) \$1,000 to support the Wild Film Festival produced by youth interns, whose proceeds will benefit innovative and effective hands-on science programs on water conservation and ecology to public school students in Rio Arriba, Santa Fe and Taos counties

Santa Fe Botanical Garden \$1,000 to add hands-on activities to the Wetland Science Program serving 3rd-grade students at Santa Fe Public Schools

Santa Fe High School \$1,000 to purchase math manipulatives for engaging math activities in the areas of fractions, ratios and probability to help increase the math literacy of at-risk youth

Santa Fe High School \$1,000 to purchase four computer microscopes and reusable earth/environmental/life science kits to conduct innovative hands-on, inquiry-based lab experiences addressing state science standards for 9th-grade and special education students

Santa Fe Public Schools \$1,000 to purchase nine HP 9010 batteries for laptops to be used as assistive technology by students with physical disabilities and low vision. This technology will enable these students to access curriculum alongside peers in the classroom and at home, as well as meet educational goals in technology identified in their Individualized Education Plan (IEP)

Self Help, Inc. (Los Alamos) \$1,000 to help provide school math supplies for disadvantaged Northern New Mexico children including notebooks, paper, pencils, compasses, protractors, calculators, and other essential materials

Taos Middle School \$1,000 to purchase robotics activity kits that can be interfaced with computers as a curriculum tool to connect scientific principles with technology

Taos Middle School \$1,000 to purchase general science *PASCO Probeware* that will enable teachers and students to explore physical, life, environmental and earth sciences and integrative math as well as data collection and analysis through sensors, interfaces and data collection software, including a temperature probe, colorimeter, conductivity/turbidity/carbon dioxide/dissolved oxygen/pH sensors. These computer-interfaced student activity kits will integrate scientific principles with the application of real-world technology.

West Las Vegas High School Mathematics Department \$1,000 to purchase classroom graphing calculators for student and teacher use as a tool for expediency, amplifier for conceptual understanding, catalyst for critical thinking, and vehicle for integration (connecting ideas of algebra, geometry, measurement, and probability and statistics)