

COMMUNITY PROGRAMS OFFICE

Supporting Education, Economic Development, and Community Giving

Quick Facts

- LANS makes a \$1 million annual investment in education programs.
- 400 regional teachers have been trained in the LANL Math and Science Academy.
- 57 teachers earned Master's degrees in teaching math and science through the Academy.
- In 2013, LANL:
 - Supported more than 25 regional K-20 math and science education programs
 - Employed 1,243 student interns
 - Provided more than 2,475 hours of employee science education community service time

Education

Los Alamos National Laboratory (LANL) invests and partners in education initiatives and programs that have a positive impact on student academic achievement while addressing employee pipeline and regional workforce development needs in our community.

Los Alamos National Security, LLC (LANS), which operates LANL, is committed to providing a positive and sustainable impact on our region by leveraging community investments in education. LANS allocates more than \$1 million each year to enhance educational opportunities in science, technology, engineering, and math (STEM) education, regionally and nationally.

Highlights

LANS invests in STEM education for the people of Northern New Mexico through student scholarships, education grants, master teachers' support, and workforce training. We support programs such as:

- Expanding Your Horizons
- Los Alamos STEM Challenge
- RoboRAVE International
- Science Bowl
- Supercomputing Challenge

In 2013:

- Los Alamos Employees' Scholarship Fund awarded \$411,500 in scholarships to 73 Northern New Mexico students
- LANS invested \$215,699 in sponsorships for regional STEM programs that impacted more than 14,000 students and 1,759 teachers

Education Focus Areas

Our education commitments address four focus areas:

- Workforce Development
- Student Internships
- Teacher and Faculty Professional Development
- Public Understanding of Science

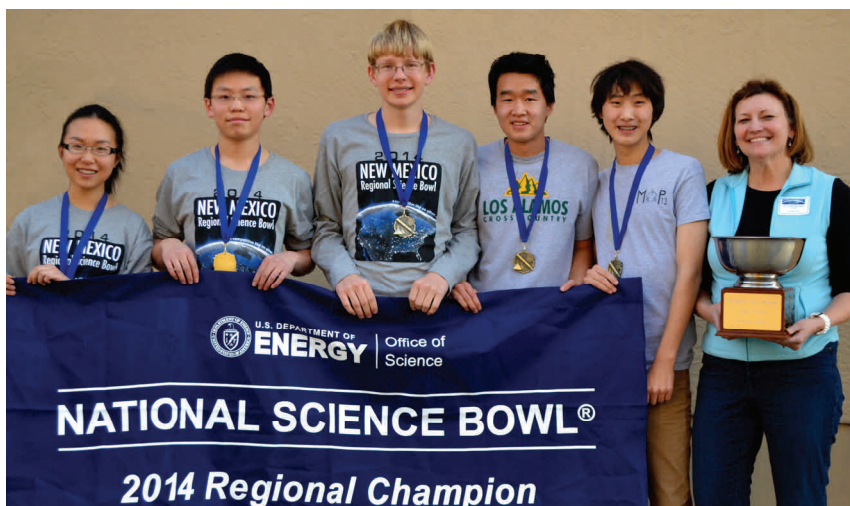
“Support of education matters because a substantial part of our workforce is drawn from Northern New Mexico

-Charlie McMillan
Laboratory Director

Science Education Community Service Time

Our employees participate in STEM-related education activities and programs in our communities. This service-time program helps strengthen community partnerships that connect the Laboratory with our Northern New Mexico neighbors. Employees are allowed up to 32 hours per year to judge science fairs, give STEM-related talks, provide demonstrations in the classroom, and support other related activities. In 2013, LANL employees provided more than 2,475 hours of science support for 182 regional science education programs.

The Los Alamos High School Science Bowl team took first place in the regional competition that LANS co-sponsored.





Participant in the 2013 Hydrogen Fuel Cell Challenge

Community Programs Office

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LANL STEM Education Support Database

We've developed a resource for our external partners that enables them to submit online requests for assistance from Laboratory employees in STEM-related areas such as serving as judges for science fairs or providing science demonstrations. LANL employees identify their areas of expertise and interests and are then matched to the requests we receive.

Teacher and Faculty Professional Development

The Northern New Mexico Math and Science Academy (MSA) was established in 2000. This three-year professional development program focuses on standards-based education using today's research-based concepts and instructional strategies. More than 400 K-12 teachers have participated in the Academy.

Through a partnership with New Mexico State University, 57 teachers have earned Master's degrees in teaching math and science, eight MSA teachers are enrolled in a doctoral program at the University of New Mexico Educational Leadership Program, and seven teachers have entered a Native American Rural Leadership program offered in collaboration with the University of New Mexico.

Workforce and Pipeline Development

LANS Institutional Agreements with key partners are structured to address the education, workforce, and student pipeline needs of Northern New Mexico. LANS also contributes funds to the community-directed LANL Foundation for education programs.

Education Partners

- **New Mexico Highlands University**
Computer Science Program
- **Northern New Mexico College**
Chemistry Program
- **Santa Fe Community College**
Advanced Technologies-Biofuels, Environmental, Facilities, Green Building Programs
- **University of New Mexico- Los Alamos**
Information Technology and Cyber-Security Program
- **Los Alamos National Laboratory Foundation**
 - Los Alamos Employees' Scholarship Fund
 - Northern New Mexico Inquiry Science Education Consortium

For more information, go to <http://community.lanl.gov>



Taos Middle School captured the best presentation award in the Future City Competition.