

LANL STEM Presentation

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Community Partnerships Office

About the Community Partnerships Office

- **Education**
- **Economic Development**
- **Community Giving**
- **Management of LANS Community Commitment Plan**

Bradbury Science Museum

- **Science on Wheels**
- **Museum Explorations**
- **Visits**
- **Science Ambassadors**
- **Newsletter**
- **Bradbury Science Museum Association**



<http://www.lanl.gov/museum/>

Teacher Professional Development

- **Math & Science Academy**
 - Program designed to support whole-school continuous improvement in math and science teaching and learning
 - Summer Institute
 - Monthly professional development focused on content (math & science)
 - School site support



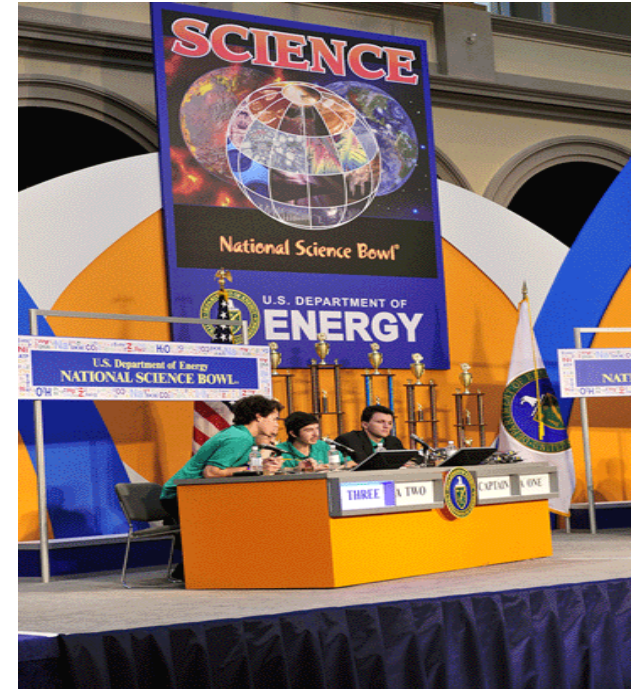
Mathcounts

- Math program/competition
- 6th – 8th grade
- Online access to numerous math resources
- Handbook available which provides problems mapped to the Common Core Standards
- <https://www.mathcounts.org/>



DOE Regional Science Bowl

- Grades 6-12
- Sponsored by DOE
- Competitive science education and academic event
- Questions in biology, chemistry, earth and space science, energy, mathematics and physics
- <https://science.energy.gov/wdts/nsb/>



Future City



<http://futurecity.org/new-mexico>

Future City

- Students grades 6-8 imagine, research, design and build cities of the future
- Showcase their solution to a citywide sustainability issue
- Aligned to Next Generation Science Standards
- Mentors available

Electric Car Challenge

Electric Car Challenge

- **A challenge for students in grades 6-8 consisting of:**
 - A battery-powered model car race, design competition, and oral presentation
- **Tests math and science skills**
- **Generates enthusiasm for STEM skills**
- **<http://www.nmhydrogenfuelschallenge.org/Main.asp>**



RoboRAVE

A robotics education program to teach students and teachers how to build, program and test robots to perform a variety of tasks

- Ages 8 to adult
- Tied to [Common Core Standards](#)
- Fun while learning
- Rally held in Espanola (March)



Scholarships

- **Los Alamos Employee Scholarship**
 - Northern Mexico students
 - Seeking 4-year undergraduate degrees
 - Academic performance, leadership potential, critical thinking skills, and career goals

- **Northern New Mexico Tribal Business Scholarships**
 - \$1,000 one time awards

- **Regional College/Returning Student**
 - \$1,000 one time awards

Scientists in your school

Science Education Community Service Time

- 32 hours

STEM-related activities

- Classroom activities and presentations
- Judging
- Mentoring



Request STEM Volunteers

http://www.lanl.gov/orgs/cpo/education_programs/STEM/stem_form.shtml

Internships

- **High School**
 - 16 years of age
 - 3.0 GPA (minimum)
- **UGS**
 - 3.0/4.0 cumulative GPA
 - Minimum of 12 UGS credit hours
- **Graduate**
 - 3.2/4.0 GPA
 - Minimum of six graduate hours per semester



Back to School Drive

- **School Supplies**
 - Backpacks
 - School Supplies

- **Los Alamos National Laboratory Laces**
 - \$25 Gift Card for the purchase of shoes
 - Northern New Mexico Schools

