

## Bradbury Science Museum Scheduled Group Programs (Science on Wheels and Museum Explorations)

Issue No. 78

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### Program Coordinator

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### Program Description:

"Science on Wheels" takes hands-on science activities on-the-road in Northern New Mexico. Each student is an active participant using science equipment provided by the Museum and guided by Museum staff. "Museum Explorations" provides two-hour customized visits for school classes and other groups on topics such as "Cryogenics" and "Manhattan Project." About 4,600 learners a year enjoy these educational interactions.

Our goal is to provide experiences that will build the science inquiry and critical thinking skills that are necessary for scientific thinking. Both programs are tied to the New Mexico Science Content Standards and Benchmarks, and Performance Standards Strands and Benchmarks. Science educators model best-practices science teaching skills for the accompanying teachers and chaparones.

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### Primary Outcomes:

Inquiry and critical thinking skills necessary for science, technology, engineering, and math learning are increased.  
Student interest and enthusiasm in STEM topics will increase.  
Teacher interest in STEM teaching and learning will increase.  
Student knowledge of a STEM topic will increase.

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### Areas Served:

Los Alamos; Mora; Rio Arriba; San Miguel; Sandoval; Santa Fe; Taos;

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### Grade Level:

Elementary School (K-6th grade); Middle School (7-8th grade); High School (9-12th grade);

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### Leading Organization:

CPO-OFF

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### Program Address/Mailstop:

MS C330

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### Number of Individuals Served by the Program per Fiscal Year:

4,600

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### Year Program Started:

2001

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**Program Partners:**

N/A

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**Funding received:**

100%

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**Resources/Materials provided to program participants:**

Program materials differ for each topic presented; they range from wind energy kits to liquid nitrogen. These are used during the activities.

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**Other funding sources:**

N/A

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**Program Cost:**

\$3000 (not including staff salaries or van)

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**Other learning objectives:**

Student and teacher knowledge of and appreciation for LANL history and accomplishments will increase.

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**Best Practices:**

Museum staff who create and deliver these programs are trained educators in informal learning environments and routinely present their methods at professional conferences.

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**How program outcomes are accessed:**

Surveys

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**Reporting Requirements:**

CAS metrics (quarterly) and PBIs (monthly)

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**Cost per participant:**

\$0.65

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**Participant Application Process:**

Brochure is sent to schools in NNM and posted on Museum web site by mid-September. Teachers fill out application for their school and classes with preferred dates. Schedule is set for the entire school year.

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**Program Recruitment Initiatives:**

Brochure sent to schools in NNM within an 90-mile radius; web

site information available.

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**Targeted Diversity Groups:**

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**Type of Program:**

Public Engagement in Life Long Learning;

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**Program Website/URL:**

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

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**Projected Length of Program:**

Academic / School Year;

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**Primary funding source:**

Government;

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**Program Evaluation:**

Informal/Internal;

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