



2018 – 2019 STEM Calendar

Los Alamos National Laboratory supports a variety of K-12 STEM education events and programs with technical assistance, STEM volunteers, and financial assistance

September 2018	January 2019
<p>September 15 NNM teacher training session for Electric Car Challenge</p> <p>September 17 Future City Teacher Workshop – Santa Fe</p>	<p>January 29 - NM Future City Competition</p>
	February 2019
	<p>Presentations made at regional to discuss potential internship opportunities at LANL https://www.lanl.gov/careers/career-options/student-internships/high-school/index.php</p> <p>Mathcounts (final date TBD)</p> <p>February 9 NM Regional High School Science Bowl</p> <p>February 14 Expanding Your Horizons Los Alamos</p>
October 2018	March 2019
<p>October 13 Expanding Your Horizons, Santa Fe</p>	<p>March 2 RoboRAVE Rally Northern New Mexico</p> <p>March 2 Regional Middle School Science Bowl</p>
November 2018	April 2019
<p>November 17 New Mexico Electric Car Challenge Competition</p>	<p>April 25 – 29 National Science Bowl, Washington, DC</p>
December 2018	May 2019
<p>December 3-9 National Computer Science Education Week (Hour of Code) (A global event reaching tens of millions of students for an hour introduction to computer science)</p>	<p>RoboRAVE International (final date tbd)</p>

Please note that Laboratory employees are allowed up to 32 hours of Science Education Community Service Time per calendar year to support science, technology, engineering or math related initiatives.

For additional information contact Janelle Vigil-Maestas in the Community Partnerships Office at 665-4329 or vigil-m@lanl.gov

Please see reverse side for program descriptions

Programs and Resources



MATHCOUNTS (grades 6-8)

A national middle school coaching and competitive mathematics program that promotes mathematics achievement through a series of fun and engaging "bee" style contests. There are four levels of competition - school, region, state, and national.

<http://mathcounts.org>



Regional Science Bowls (grades 6-12)

The Science Bowl tests students' knowledge in all areas of science. Students are quizzed in a fast-paced question and answer forum.

http://www.sandia.gov/about/community/education_programs/doe_sciencebowl.html



NM Electric Car Challenge (grades 6-8)

This competition provides a hands-on opportunity for middle school students (grades six through eight) to build battery-powered cars and race them for speed and performance <http://www.nmelectriccarchallenge.org/main.asp>



Supercomputing Challenge (grades 6-12)

The Supercomputing Challenge is a program encompassing the school year in which teams of students complete science projects using high-performance supercomputers.

<http://supercomputingchallenge.org/>



RoboRAVE Rally Northern New Mexico (grades 3-12)

RoboRave International is a robotics competition where two to four person teams work before the event to design, build and program their autonomous remote controlled robot to perform a variety of competition tasks. <https://roborave.org/>



Future City (grades 6-8)

Future City Competition is a national, project-based learning experience where students in imagine, design, and build cities of the future. Students work as a team with an educator and engineer mentor to plan cities using SimCity™ software: research and write solutions to an engineering program.

<http://futurecity.org>



Bradbury Science Museum (all ages)

Approximately 40 interactive exhibits trace the history of the WWII Manhattan Project, highlight the Laboratory's current and historic research projects related to defense and technology, and focus on Laboratory research related to national and international economic, environmental, political, and social concerns. **Open year-round.**

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



Expanding Your Horizons (grades 6-12)

EHY is a hands-on math, science, technology, engineering and math (STEM) conference for girls in grades 6 – 12 led by women in STEM careers. These conferences are held in the fall and spring. <http://nmmwse.org/eyh/>