High School Internship

PROGRAM

Internship Description

The High School Internship Program provides qualified Northern New Mexico high school seniors the opportunity to develop skills and gain work experience, while receiving exposure to a variety of career fields. Internships are available in both STEM and other career fields (e.g., administrative, business, operations support, etc.)

High school students should apply for the Summer or Fall/Spring term in the second semester of their junior year.

High school seniors apply to the Undergraduate Internship Program, not the High School Internship Program.

www.lanl.gov/students

Internship Duration

The length of an internship varies. In general, summer internships last at least ten weeks. High school students are allowed to work full-time hours during the summer. During the academic year, high school students typically work about 10 hours per week and no more than 20 hours per week.

Eligibility Requirements

- Have senior standing
- Be at least 16 years of age at the time the internship begins
- Have and maintain a minimum cumulative GPA of 3.0 on a 4.0 scale
- Attend a high school located in Northern New Mexico
- Pass a new employment drug test and random drug tests thereafter

Dates & Deadlines

Term	Application Period	Deadline
Summer	January-April	Early April
Fall/Spring	August-November	Early November

Los Alamos National Laboratory supports a variety of K–12 STEM education events and programs with technical assistance, volunteers, and financial assistance. Through a range of programs and partnerships with organizations throughout the region, the Lab contributes to strengthening the community.

CONTACT

Monica Martinez-Archuleta, m.archuleta@lanl.gov
(505) 665-989-6908 (Main Line)

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STEM

Educational Programs K–12

Los Alamos NATIONAL LABORATORY

Bradbury Science Museum

EDUCATION PROGRAMMING

Bradbury Science Museum Education Programming is offering a hybrid of programs to accommodate the ever-changing situations at local schools.

Interactive Virtual Field Trip

- Live introduction of the theme and activity (~1 hour)
- Hands-on STEM activity (material kits mailed at least 2 weeks prior to the introduction)
- Live-streamed closing about a week later for student presentations and Q&A (30 minutes–1 hour)
- Flexible scheduling

Science on Wheels (We visit you!)

- In-class introduction of the theme and activity
- Hands-on STEM activity while we assist
- Program requires two groups/classes signed up and two consecutive 90-minute slots (one for each group of students)
- Some activities are abbreviated compared to virtual and on-site programming
- Tuesdays and Thursdays only

Museum Explorations (You visit us!)

- Theme-based explorations at the Bradbury Science Museum
- Hands-on STEM activities plus museum exploration
- Program lasts 2 hours for a maximum of 50 students at a time
- Bradbury Science Museum Association offers "bus scholarships" to help pay for bus costs at your school. Applications due in the fall!

Contact: Chelsea Redman, cdredman@lanl.gov
www.lanl.gov/museum/teachers/

DOE Science Bowl*

A nationwide and regional academic competition that tests students' knowledge in all areas of science and mathematics.

WINTER/SPRING | NM STUDENTS, GRADES 6–8

Contact: Janelle Vigil-Maestas, vigil-m@lanl.gov
science.osti.gov/wdts/nsb

Electric Car Challenge

A competition where students design, build, and race a battery-powered model car. Students also have the option to compete in an oral presentation.

NOVEMBER | NM STUDENTS, GRADES 6–8

Contact: Janelle Vigil-Maestas, vigil-m@lanl.gov

Expanding Your Horizons

A conference for young women aimed at increasing their interest in and awareness of mathematics, science, and other nontraditional professions

SPRING/FALL | NM STUDENTS, GRADES 5–8 | VIRTUAL

Contact: Jan Frigo, jfrigo@lanl.gov
www.nmnwse.org/lawis/eyh

Frontiers in Science Talks

This series of conversations with scientists, engineers, and other experts is a public service of the Los Alamos National Laboratory Fellows. All talks are free and open to the public.

QUARTERLY | EVERYONE

Registration required, frontiers.lanl.gov

Future City*

An engineering design competition for middle school students

FEBRUARY | NM STUDENTS, GRADES 6–8

Contact: Janelle Vigil-Maestas, vigil-m@lanl.gov
futurecity.org

Hour of Code*

Volunteers introduce students to computer science and work with them to complete an hour of coding.

DECEMBER | NM STUDENTS, GRADES 2–12

Contact: Janelle Vigil-Maestas, vigil-m@lanl.gov
hourofcode.com

Math & Science Academy

The Laboratory initiated the Math and Science Academy (MSA) as an applied teacher and school leadership professional development program dedicated to the improvement of Northern New Mexico K-12 education. As a catalyst for educational change, the MSA promotes, develops, and supports multi-year K-12 educator professional development programs through institutional agreements.

YEAR-ROUND | TEACHERS

Contact: Monica Martinez-Archuleta, m.archuleta@lanl.gov
www.lanl.gov/community/education/teacher-resources/math-science-academy.php

NM Governor's STEM Challenge*

Statewide showcase, hosted by NMSU, allows New Mexico high school students to be creative and to collaborate on STEM solutions to issues we face in the state and across the globe.

DECEMBER | NM STUDENTS, GRADES 6–8

Contact: nmsu.edu/community/STEM-challenge.html

Supercomputing Challenge*

The Supercomputing Challenge is a program for middle and high schools students to come up with a computational science project and work on it all year long.

SEPTEMBER | NM STUDENTS, GRADES 6–12

Contact: Bob Robey, brobey@lanl.gov
supercomputingchallenge.org

Physics Camp for Young Women

The two-week long Summer Physics Camp for Young Women in New Mexico offers a unique opportunity to explore STEM careers . The Camp offers tours of national laboratories (in-person and virtual), lectures ranging from history of women in science to astrophysics or robotics, hands-on demonstrations of physics and engineering topics and multi-day team projects where the students use the concepts learned. The Camp also partners with local educators hired to provide educational guidance and discover the activities and volunteers that then they can bring to their classroom. In addition, the Camp offers professional development activities like how to write a resume or interview etiquette, as well as talks to increase the young women's self-efficacy and increase higher education aspirations by showcasing New Mexico college offerings and local national laboratory internships.

JUNE | NM FEMALE STUDENTS, GRADES 6–12

Contact: Anna Llobet , allobet@lanl.gov
www.lanl.gov/careers/career-options/student-internships/high-school/womens-summer-physics-camp.php

*** Seeking Laboratory volunteers to assist or serve as mentors.**

Community Involvement and Outreach

Full and part-time Lab employees are eligible to support STEM related activities with local schools via the Laboratory's Community Involvement and Outreach Time during normal work hours (8 a.m.–5 p.m.). Examples of this include providing presentations, mentoring, tutoring, and judging. If you would like to request support in these areas, please contact Janelle Vigil-Maestas, vigil-m@lanl.gov