



2021 Summer Physics Camp for Young Women Northern & Central New Mexico June 7-18, 2021

The 5th edition of the Summer Physics Camp for Young Women in Northern and Central New Mexico offers a unique opportunity to explore what careers in science, technology, engineering and math (STEM) are all about. Held virtually this year, the camp will focus on boosting your understanding of how STEM allows us to accomplish what was unimaginable just a few years ago: explore Mars, understanding the origins of the universe during the Big Bang, decipher how the building blocks of life fold and unfold, COVID-19 behavior and vaccines, and programming and building robots just for fun!

Camp students will also learn how to write a resume, how to apply and interview for a job, the basics of computer programming, and how to build and program your own computer (one more powerful than the one that took astronauts to the moon) and use it to control a project you will build. The camp will also introduce students to New Mexico's opportunities like internships at Los Alamos National Laboratory (LANL), Sandia National Laboratory (SNL) and at local New Mexico colleges.

Daily activities will include demonstrations, hands-on experiments, engineering and programming and robotics projects, presentations, professional development activities and, discussions with female scientists and engineers from LANL. Virtual visits are planned to research facilities like Los Alamos National Laboratory (NM), Sandia National Laboratories (NM) and Oak Ridge National Laboratory (TN).

- When?** June 7-18, Monday-Friday, from 10 a.m. to noon and 1 - 4 p.m.
- What?** Virtual tours, lectures, hands-on demonstrations, and interactive projects in Robotics, Coding, and Engineering
- Where?** The camp will take place virtually
- Benefits?** This summer camp is FREE to students. Participants who complete the program will be provided a stipend

Eligibility Requirements:

- Young women attending Northern and Central New Mexico schools
- Completion of Algebra I or higher-level math course is needed
- Note: Acceptance is NOT based on grades or GPA

How to Apply: The following steps need to be followed:

1. **Fill out the application** at https://forms.gle/jQtkPaooF3pkHuPq8?_imcp=1. You will be asked to write a short essay: *Who are you? Why are you interested in this camp? How do you believe this program will be useful to you? What are your current interests? What do you think you would like to do as a career in the future (if you know it)?*
2. Ask a teacher/counselor to send a **reference letter** to spcyw-nm@lanl.gov explaining why they think this camp will benefit you
3. Email **school transcripts** showing completion of Algebra I level of math to spcyw-nm@lanl.gov

Application Deadline: Friday April 9, 2021

Questions:	Email	spcyw-nm@lanl.gov
	Contact:	Josefina Salazar, 505-695-4030
	Website:	https://www.lanl.gov/careers/career-options/student-internships/high-school/womens-summer-physics-camp.php

Interested in becoming a sponsor?
*Donations are tax deductible

Donations can be sent to: New Mexico Consortium Inc.
Attention: Teri Thomas-SPCYW
4200 West Jemez Rd., Suite 301
Los Alamos, NM 87544