



# Summer Physics Camp for Young Women New Mexico June 6-17, 2022



The 6th annual Summer Physics Camp for Young Women in New Mexico offers a unique opportunity for young women to explore careers in science, technology, engineering and math (STEM). Held virtually this year, this two-week camp will offer students from New Mexico a chance to boost their understanding of how STEM improves the world around us through activities, speakers, virtual tours, and hands-on projects.

Have you heard about the James Webb Space Telescope or Mars Rover? Do you know how we send missions to space and what they can tell us about the evolution of our Universe? Do you know how we track COVID or HIV, and how the vaccines were created? Would you like to learn how to build a robotic hand or design an object with a computer aided design application? At the Camp, students will study the principles of physics, engineering, bioengineering and computer programming, applying their knowledge in a range of exciting projects. They will also learn about different energy sources, including nuclear power, to better understand the challenges faced by our modern society. Reaching beyond engaging science, the participants will find out how to successfully write a resume and interview for a job, as well as explore the internship opportunities available at local colleges, universities and national laboratories like the Los Alamos National Laboratory (LANL) and Sandia National Laboratories (SNL).

<b>When?</b>	June 6-17, Monday-Friday, from 10AM–4PM
<b>What?</b>	Virtual tours, lectures, hands-on demonstrations, and interactive projects in Robotics, Coding, and Engineering
<b>Where?</b>	This year camp will be VIRTUAL
<b>Cost?</b>	This camp is FREE to students. Participants who complete the program will be provided a stipend and offered to be part of SAGE Journey program that offers further information and gatherings after the camp

#### Eligibility Requirements:

- Young women living in northern NM, central NM and/or NM tribal communities
- Completed Algebra I or a higher-level math course
- Able to commit to 2-week full participation
- If you are curious, love learning, and enjoy a challenge, we want YOU! Acceptance to the Camp is NOT based on grade point average or specific grades.

#### How to Apply:

1. **Complete the on-line application** at <https://forms.gle/E5rp5CbB7xZc2Wya7>. You will be asked to write a short essay about yourself, your interests and why you believe the camp will be useful to you
2. Ask a teacher/counselor to send a **reference letter** explaining why they think this camp will benefit you to [spcyw-nm@lanl.gov](mailto:spcyw-nm@lanl.gov)
3. Obtain copies of your school transcripts confirming you have passed Algebra I and email to [spcyw-nm@lanl.gov](mailto:spcyw-nm@lanl.gov)

**Application Deadline: Friday April 3, 2022**

Contact:	Josefina Salazar, 505-665-0987 (office) 505-695-4030 (mobile)
Email:	<a href="mailto:spcyw-nm@lanl.gov">spcyw-nm@lanl.gov</a>
Website(s):	<a href="https://newmexicoconsortium.org/summer-physics-camp-for-young-women/">https://newmexicoconsortium.org/summer-physics-camp-for-young-women/</a> <a href="https://www.lanl.gov/careers/career-options/student-internships/high-school/womens-summer-physics-camp.php">https://www.lanl.gov/careers/career-options/student-internships/high-school/womens-summer-physics-camp.php</a>
Links to previous camps:	2019 <a href="https://sites.google.com/view/2019-summer-physics-camp/home">https://sites.google.com/view/2019-summer-physics-camp/home</a> 2020 <a href="https://sites.google.com/view/2020-summer-physics-camp/home">https://sites.google.com/view/2020-summer-physics-camp/home</a> 2021 <a href="https://sites.google.com/view/2021-summer-physics-camp/home">https://sites.google.com/view/2021-summer-physics-camp/home</a>

#### Interested in becoming a sponsor?

\*Donations are tax deductible

#### Send donations to:

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

