



Dear Parent,

I want to extend an invitation for your child to apply to join “**Physics Wonder Girls**” - a **free four-day Physics Summer Day Camp for Middle School Girls** to be held on the **University City campus* of Saint Joseph's University (SJU)**. The physics camp, on its twelfth year, is **free** and is made possible by Constellation and Puratos Corporation. Students nominated by their science teacher can apply to participate in one of two camps: **Camp 1 (June 16-18/20, 2025, excludes Juneteenth holiday)** and **Camp 2 (June 23-26, 2025)**. The physics camp aims to *sustain the interest of middle school girls in science through hands-on physics demonstrations and activities promoting physics and engineering as disciplines*. The camp will culminate in a capstone activity, a Physics Community Showcase, presented by the campers to family, friends, and organizers on the last day. The camp is organized by myself (Prof. Roberto Ramos) and a crew of university students. The [Camp Website is at this link](#) where you can obtain more information and the required application and waiver forms.

Applicants are generally full-time, rising 8th or 9th grade female students from Greater Philadelphia-South Jersey Area schools. To be considered, [applicants must complete the online application form](#) and upload a **Personal Essay** no longer than 500 words addressing the question “**Why I am interested in Physics!**”. Parents or guardians must upload the completed and signed Waiver and Emergency Contact Information forms. The applicant's non-related science teacher must directly email a **Letter of Recommendation** (less than 200 words) to physicswondergirls@gmail.com with the Subject Heading: “Physics Girls Camp Recommendation for Applicant's Full Name”.

Materials must be received by **June 4, 2025 (early submission strongly recommended)**. Only complete applications will be considered. To ensure a high-quality program, limited slots are available. Those selected will receive an email confirmation. If you have questions, please send an email to physicswondergirls@gmail.com.

For your information, a camp flyer is enclosed. The Schedule of Activities will be sent to successful applicants. Parents are responsible for dropping off/signing in students, and picking up/signing out students daily during the four-day camp. Free lunch, snacks, and camp materials will be provided.

Thank you, and I look forward to receiving your child's application.

Roberto C. Ramos, Ph.D., Physics Camp Director and Founder

Professor of Physics

Saint Joseph's University

Email: physicswondergirls@gmail.com

*University City Campus of SJU is located at the former University of the Sciences campus, and not the Hawk Hill Campus of SJU.



SUMMER PHYSICS CAMP FOR MIDDLE SCHOOL GIRLS

PHYSICS WONDER GIRLS

- a **FREE** 4-Day PHYSICS CAMP for Middle School Girls
on June 16-18,20 (Camp 1), June 23-26, 2025 (Camp 2) at the
University City campus of Saint Joseph's University
Four days of fun and fascination with hands-on physics !!!

Solar Energy and Solar Circuits !

- Use solar cells, understand solar energy!
- Design and build solar cars !

Physics of Food!

- See how science shapes food!
- Do experiments with food!

Science of Light, Energy, Quantum Science

- Do Optics and Energy Experiments
- Learn about Quantum Science

Quantum Materials & Cryogenics !

- Levitating Superconductors
- Liquid Nitrogen Experiments

Career Talks and Lab Tours

- Meet Women Scientists & Engineers talk about Science Careers
- Tour Physics Laboratories, R&D and Manufacturing Plants

Application Forms will be available April-May 2025 at

<https://sites.google.com/sju.edu/physicswondergirls>

Open to primarily Rising 8th, 9th grader girls
and a limited number of high school students



Contact: Prof. Roberto Ramos, Saint Joseph's University
Email: physicswondergirls@gmail.com

