



TEACHER HIGH SCHOOL PHYSICS RESEARCH CAMP APPLICATION FORM



Saint Joseph's University is holding a Summer HS Physics Research Camp for HS Physics students and teachers. This camp was made possible by the Meggers grant from the American Institute of Physics (AIP) to the University of the Sciences. All costs associated with the camp, room and board are covered by the grant. Limited funds will also be available to help with travel expenses. Physics teacher will receive a compensation of \$500.

The camp invites teachers and students to work together on past IYPT (www.iypt.org) problems. Over the one week experience, students will build experiments, collect and analyze data and participate in a physics debate that is similar to the physics fights of IYPT. Teachers will learn all of the skills necessary to bring these research techniques back to their classrooms. Selected students and teachers will be provided with research questions beforehand and will be provided a brief collection of literature to review prior to their arrival.

Participants will arrive on campus Monday June 19 and will depart late afternoon on Saturday June 24. Students requiring housing will be accommodated in the SJU-UC residential facility in single or double rooms. HS physics teachers will be accommodated in single rooms. Breakfast, Lunch and Dinner will be provided every day.

Please find enclosed application forms for both students and teachers. Materials must be received no later than May 24, 2023. Only complete applications will be considered. Those selected to participate will receive email confirmation by May 20th. For students Authorization/Liability form (enclosed) must be completed and signed by the student's parent/guardian. The completed forms must be e-mailed to: eeschenazi@sju.edu

QUESTIONS? CONTACT DR. ELIA ESCHENAZI AT:
[EESCHENAZI@SJU.EDU](mailto:eeschenazi@sju.edu) OR (215)-596-8707

LIMITED FUNDS WILL BE AVAILABLE TO DEFRAY TRAVEL EXPENSES. IN THE APPLICATION FORM PLEASE SPECIFY IF YOU NEED TRAVEL SUPPORT.



TEACHER HIGH SCHOOL PHYSICS RESEARCH CAMP APPLICATION FORM

Name: _____

Address: _____

Phone: _____ Home Cell

Email: _____

School: _____

School Address: _____

This program can accommodate individual students and individual teachers. Teachers are encouraged to ask their students to attend as well because we believe the experience is even better when students learn the basics of research in partnership with their teachers. Do you expect any of your students to apply? If so, please list their names below:

Please list the physics course(s) you currently teach:

Do you have experience leading students in physics research? If so, please share in what context you have led student research.

There are many extracurricular physics experiences that HS students could access while in high school. Please indicate if you have participated in any of these:

- | | |
|---|---|
| <input type="checkbox"/> Science Olympiad | <input type="checkbox"/> USAYPT |
| <input type="checkbox"/> Physics Olympics | <input type="checkbox"/> AAPT Physics Bowl |
| <input type="checkbox"/> IYPT | <input type="checkbox"/> Rocketry Challenge |
| <input type="checkbox"/> International Physics Olympiad | <input type="checkbox"/> Other: _____ |

There are many software packages designed help with data analysis and acquisition for mathematical sciences. Please share which (if any) of these you have experienced and your level of proficiency. Note; some of these are competing products. For example, most teachers will not be familiar with both Pasco and Vernier products.

Pasco Capstone	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
Pasco Sparkvue	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
Vernier Logger Pro	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
Vernier Graphical Analysis 4	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
Matlab	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
Octave	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
Excel	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
Google Sheets	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
Tracker video tracking	<input type="checkbox"/> Unfamiliar	<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
_____		<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced
_____		<input type="checkbox"/> Novice	<input type="checkbox"/> Experienced

TRAVEL EXPENSES

If you will be traveling to attend the research camp, please indicate below if you would like to be considered for travel re-imbusement and estimate your expected travel cost to Philadelphia.

Please note that re-imbusement is not guaranteed and any re-imbusement will depend on funds availability.

- Yes, I would like to be considered for some re-imbusement of travel expenses.

_____ Estimated travel costs.