

Paolo N. Kowgios-Rivera

 paolo.coronel28@sjspr.org | (202) 664-2681 | San Juan, Puerto Rico

Education

Saint John's School, San Juan, Puerto Rico

Expected Graduation: May 2028

- GPA (Weighted)
 - 4.14 (9th grade; cumulative of trimesters 1–3)
 - 4.55 (10th grade; cumulative of trimesters 1-3)
- Academic Honors
 - High Honor Roll (9th grade: trimesters 1–3, 10th grade trimester 2)
 - Honor Roll (10th grade: Trimester 1 and 3)
- AP Courses and Grades:
 - AP Capstone Seminar: 5
 - AP World History Modern: 5
 - AP Physics 1: 3

Research & Academic Projects

Honors Chemistry Laboratory Investigations (10th grade)

- Conducted hands-on laboratory experiments involving chemical reactions, solution chemistry, and laboratory safety procedures.
- Collected quantitative data, analyzed sources of error, and drew conclusions based on experimental evidence.

AP Physics 1 Experimental Laboratories (10th grade)

- Designed and executed physics experiments, including investigations of friction, normal force, and motion.
- Addressed reproducibility issues through redesigned trial procedures and data averaging techniques.
- Graphed results and performed error analysis to validate experimental conclusions.

Robotics Engineering Projects (8th–10th grade)

- Participated in iterative mechanical design and testing through VEX Robotics competitions and club activities.
- Collaborated with teammates to optimize system performance under competition constraints.

Experience

Tutor, Project Art of Learning — San Juan, Puerto Rico

October 2025 – Present

- Provide free in-person and virtual tutoring in STEM subjects, including mathematics and science.
- Collaborate with fellow tutors and program leaders to develop effective, individualized instructional strategies.

Founder & Lead STEM Tutor, La Goyco Community Organization — Santurce, Puerto Rico
January 2024 – Present

- Founded and currently lead a free STEM tutoring program for low-income K–10 students.
- Tutor students in science and mathematics while designing the program's instructional structure and scheduling system.
- Lead sustainability-focused community projects, including compost collection and collaboration with local farmers.
- Assist in planning and hosting community events and educational fairs to strengthen local engagement.

Sales Associate, Sueño de Hielo — San Juan, Puerto Rico
October 2023 – December 2024

- Delivered consistent customer service and supported daily store operations.
- Recognized for reliability, professionalism, and strong interpersonal skills.
- Received a formal letter of recommendation from the store owner.

Academic Competitions & STEM Involvement

- Science Bowl Team Member — Regional STEM competition participant (8th–10th grade)
- Math Club Member — Competed nationally through Areit Labs in algebra and geometry challenges (10th grade)
- Robotics Club Member — Competed in local VEX Robotics tournaments, often placing in the top ranks (8th–10th grade)
- HMNT Competitor (10th grade) - Competed in the HMNT competition at MIT on February 13-15, 2026, representing my school (SJS) on an international level
- Member of my school's programming team: Feb 6, 2026 My team and I won the second-place prize in the TESIS school programming competition.

Leadership, Service & Extracurricular Activities

National Honor Society Member & STEM Tutor (10th grade–present)

- Provide peer tutoring in STEM subjects as part of NHS service initiatives.
- Support academic outreach and service-based learning within the school community.

Red Cross Club

- Support community service initiatives and emergency preparedness projects.
- Representative (Board Member)

Varsity & Junior Varsity Soccer/Futsal Player, Saint John's School

- Developed teamwork, resilience, and leadership skills through competitive athletics.

Community Volunteer at La Goyco (community/grassroots organization)

- Manage compost programs, organize community events, and mentor younger students (9th grade–present).

Honors & Awards at Saint John's School

- High Honor Roll (Trimesters 1-3 in 9th grade and in 10th grade's Trimester 2)
- Honor Roll (10th grade's trimester 1 and 3)
- Most Outstanding Academic Achievement in Honors Conceptual Physics — 2024

- Outstanding Academic Achievement in Algebra I — 2023
- Outstanding Academic Achievement in Physical Science — 2023
- Outstanding Academic Achievement in Honors Chemistry — 2026
- Most Outstanding Academic Achievement in AP World History — 2026
- Outstanding Academic Achievement in AP Physics 1 — 2026
- 3rd place in the SJS Science Fair
- Most improved award in both soccer and futsal in the sports awards of 2025-2026

Skills

- STEM analysis & experimental design
- Laboratory data collection & error analysis
- Tutoring & educational program development
- Leadership & organizational skills
- Technical communication & collaboration
- Sustainability & community engagement

Languages

- English — Fluent
- Spanish — Fluent
- Japanese — intermediate