



Punahou School

ROBOTICS COORDINATOR - ACADEMY, GRADES 9-12

📍 Honolulu, HI



ABOUT PUNAHOU SCHOOL: As Punahou School recognizes the richness of its traditions, as well as its responsibility to deliver a relevant educational experience in a rapidly changing world it remains anchored in the aim of developing the full potential of each student through a broad and vigorous program of studies and through rich experiences for exploration and growth. Our faculty attends to the social, emotional, and ethical learning of our students via strong relationships, and learning opportunities to foster empathy, resilience, moral reasoning, and social responsibility. Our teachers are agile learners themselves, demonstrating a growth mindset and a commitment to their continual professional development. College Counselors join a dedicated and inspiring faculty whose ongoing reflection and renewal is supported by a school-wide culture of collaboration and innovation that serves a diverse student body.

Start Date: August 5, 2024

POSITION SUMMARY:

Punahou School is actively seeking a dedicated and experienced K-12 School Competitive FIRST **Robotics Coordinator** to lead and oversee our school's FIRST Robotics programs as well as our non-competitive robotics clubs. This person will collaborate with the Director of Extended Learning, as well as the K-12 Design Technology and Engineering (DTE) department, and teach one Academy (High School) Robotics course. The successful candidate will be responsible for managing, coordinating, and enhancing our robotics teams, ensuring they are competitive, innovative, and aligned with the school's educational objectives. As the Robotics Coordinator, you will inspire students, recruit and mentor supporting coaches/mentors, and foster a passion for STEM education and robotics within our school community. Primary responsibilities include, but are not limited to:

PROGRAM MANAGEMENT:

- In collaboration with the K-12 DTE Department Heads, lead, develop, and manage all aspects of the school's competitive FIRST Robotics programs.
- Oversee the planning and execution of bringing teams to robotics competitions, including one FLL (First Lego League Challenge) K -5th team, FTC (First Tech Challenge) 6th -12th teams, and one FRC (First Robotics Competition) 8th - 12th team.

TEAM LEADERSHIP:

- In collaboration with the K-12 DTE Department Heads, recruit, mentor, and provide professional development opportunities for robotics supporting coaches and mentors.
- Create a positive and inclusive team culture that encourages collaboration and innovation.

EDUCATIONAL INTEGRATION:

- Collaborate with the K-12 DTE Department Heads, teachers, and staff to integrate robotics and STEM concepts into the school's curriculum.
- Teach one Academy robotics class.
- Oversee and maintain the tool and procedural shop safety of all robotics students in the lab during robotics activity.
- Support advanced Academy teams in custom design and fabrication of robots, utilizing the available design and fabrication lab of power tools, CNC machines, laser cutters, and 3D printers, moving away from kit-based building for advanced teams.

STUDENT ENGAGEMENT:

- Inspire students to pursue careers in STEM fields by fostering a love for robotics and problem-solving.
- Receptive to teaching a summer (stipend) robotics camp or class to support team efforts and supplement robotics education.

COMPETITION PREPARATION:

- Plan and coordinate all logistics for attending robotics local competitions, as well as off-island competitions including transportation, lodging, food, safety, and equipment.
- Plan, organize, and host at least one Saturday FTC league event at Punahou.

MINIMUM QUALIFICATIONS:

- Bachelor's degree in STEM, Education, Engineering or related field. Master's degree is preferred.
- Three (3) years of experience in teaching.
- One year (1) of experience in coaching or mentoring robotics teams, especially within the FIRST Robotics Competition (FRC) or similar programs.
- Fabrication lab experience with power tools, CNC machines, laser cutters, and 3D printers, as well as CAD (Onshape).
- Strong knowledge of robotics, electronics, and programming.
- Exceptional leadership, communication, and organizational skills.
- A passion for STEM education and inspiring students in robotics and engineering.
- Willingness to work outside of regular school hours for events and competitions.
- Familiarity with FIRST Robotics and its core values is a plus.

POSITION DETAILS:

- Work Year: 9 Months.
- School Year: 2024-2025.
- Work Hours: Monday – Friday, 10:00 AM - 6:30 PM, Schedule may vary based on operational needs.
- Faculty Salary Range*: \$58,380 - \$118,097.

*Punahou School offers a comprehensive total rewards program that includes competitive pay and benefits. The pay rate reflects the range of pay for faculty, which is dependent upon educational attainment and years of relevant experience.



HOW TO APPLY:

Punahou School has partnered with Dovetailed on this search. Interested candidates should email a cover letter (addressed to Niki Crowell, Human Resources), a resume, and a list of at least three professional references consolidated as a single PDF document to Madison Sunley at madison@dovetailedsourcing.com.

