

Marlborough

Marlborough School Part-Time: Robotics Assistant Coach 2023–2024 School Year

*Founded in 1889, Marlborough School is an independent girls college-preparatory school for grades 7 through 12 located in Los Angeles, California. Marlborough is the oldest independent girls' school in the Southern California region. Central to Marlborough's vision that **Equity Leads Education** is the belief in and passion for empowering young women to use their immense talents to better the world and become trailblazers in their own right. Bolstered by world-class faculty and staff, Marlborough students are challenged and inspired to work towards their own personal best and, in doing so, have an almost endless array of courses, extracurriculars, electives, and programs to spark their curiosity, deepen their compassion for one another, and lead lives of purpose.*

OPPORTUNITY STATEMENT:

The Marlborough Robotics Program seeks to empower young women and gender expansive youth and inspire them to pursue careers in Science, Technology, Engineering, and Math (STEM). This mission is primarily pursued through participation in the FIRST Technical Challenge, which requires students to design, build, and program a robot to compete with other teams in an annual game. Throughout this challenge, an emphasis is placed on the engineering design process, collaborative problem solving, and the safe utilization of a wide variety of tools and technology. The mission extends beyond the Marlborough teams through student-led outreach and extensive collaboration with the local engineering community. Marlborough is currently home to six FTC teams composed of students in grades 8-12.

KEY DUTIES AND RESPONSIBILITIES:

- Be available in-person on Marlborough campus 2-4 days per week from 12-5pm, and four to five weekend tournaments annually
- Supervise and maintain a safe, organized workshop environment
- Support teams in their application of the design process to each season's robot challenge
- Provide feedback to teams on their robot designs and engineering portfolios

QUALIFICATIONS AND REQUIREMENTS:

- Extensive experience in the FIRST Tech Challenge as a student or mentor
- Familiar with the REV Control system and common FTC commercial off the shelf parts
- Proficient in Java programming and/or Computer Aided Design using Onshape
- Experience with digital fabrication tools such as 3D printers, laser cutters, or CNC machines
- Excellent organizational and verbal communication skills

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COMPENSATION

Hourly compensation ranging from: \$16.90/hr - \$21.50/hr

For more information about Marlborough School, its rigorous academic curriculum, fine arts and athletics programs, or if you would like to learn more about this position or other career opportunities, we invite you to visit the Careers link under the “About” drop-down menu on our website at:

<http://www.marlboroughschool.org>.

Marlborough School is an equal opportunity employer. Marlborough recruits, employs, trains, compensates, and promotes without regard to race, religion, creed, color, national origin, age, sex (including sexual orientation and gender identity), marital status, disability, veteran status, genetic information, or any other basis protected by applicable federal, state or local law. Marlborough School is a diverse, inclusive community that strives to maintain diversity in all areas of employment.