

Project Lead The Way (PLTW) Engineering & Robotics Teacher
Garces Memorial High School
Bakersfield, CA

Job Title: High School PLTW Engineering & Robotics Teacher

Reports To: Principal or Assistant Principal

FLSA Status: Exempt

Position Type: Full-Time, Permanent

Position Summary

Garces Memorial High School is seeking a qualified, innovative, and mission-driven Project Lead The Way (PLTW) Engineering & Robotics Teacher to join our faculty on a permanent basis. The successful candidate will deliver PLTW Engineering curriculum and teach Robotics courses, engaging students in hands-on, project-based learning that develops problem-solving, critical thinking, collaboration, programming, and real-world technical skills.

The ideal candidate is passionate about STEM education, committed to academic excellence, and dedicated to supporting the Catholic mission and values of the school.

Essential Duties and Responsibilities

- Deliver PLTW Engineering courses in alignment with PLTW curriculum standards and school expectations.
- Teach Robotics courses, including programming, mechanical design, electronics, and automation concepts.
- Facilitate hands-on, project-based learning experiences in areas such as engineering design, principles of engineering, robotics systems, computer-aided design (CAD), and related STEM fields.
- Lead and support student participation in robotics competitions and STEM-related extracurricular activities as appropriate.
- Maintain a safe, organized, and effective laboratory/classroom environment, ensuring adherence to all safety protocols.

- Utilize industry-standard tools, software, robotics platforms, and equipment to enhance instruction.
 - Develop and implement lesson plans, assessments, and instructional materials to support diverse learners.
 - Monitor and assess student progress, providing timely and constructive feedback.
 - Maintain accurate records of attendance, assignments, grades, and student performance data.
 - Communicate regularly with students, parents/guardians, and administration regarding academic progress.
 - Collaborate with math, science, and technology departments to support interdisciplinary learning.
 - Participate in faculty meetings, professional development, PLTW training, and parent conferences.
 - Uphold and support the mission, values, and Catholic identity of Garces Memorial High School.
-

Qualifications

Required:

- Bachelor's Degree in Engineering, Technology Education, STEM Education, Robotics, or a related field.
- Valid California teaching credential or eligibility to obtain one.
- Experience working with high school students.

Preferred:

- PLTW certification or willingness to complete required PLTW training.
- Experience teaching Robotics, engineering, CAD, programming, or related STEM courses.

- Experience coaching robotics teams or leading STEM competitions.
 - Industry experience in engineering, robotics, manufacturing, or related technical fields.
 - Strong classroom management and organizational skills.
 - Ability to integrate industry-standard software and robotics platforms into instruction effectively.
 - Commitment to Catholic education and student-centered learning.
-

Working Conditions

- Full-time position during regular school hours.
 - Work is performed in a classroom and laboratory setting.
 - Requires standing for extended periods, movement throughout the classroom/lab, and occasional lifting of equipment and instructional materials.
-

Compensation & Benefits

- Competitive salary based on experience and education.
 - Comprehensive benefits package including health, dental, and vision insurance.
 - Retirement plan options.
 - Paid holidays and school breaks.
 - Professional development and PLTW training opportunities.
-

Application Process

Interested candidates should submit the following materials:

- Cover letter
- Resume
- Copies of credentials and transcripts
- Professional references

Please send application materials to: **Noel Leon, Principal** at nleon@garces.org