



## **MATH, SCIENCE, & ROBOTICS TEACHING POSITION AT ROSARY ACADEMY**

Rosary Academy is currently accepting applications for the position of STEM teacher which includes moderating the school's Robotics Program. The ideal candidate has a background that allows her/him to teach a broad range of science or math classes. Preference will be given to someone with training and/or experience in AP and technology integration in the classroom. STEM at Rosary Academy is studied through a student centered, inquiry-based interdisciplinary approach that encourages active participation, collaboration, and 21st century skills. Students are empowered to take ownership of the material, making connections on their own and sharing their insights (and questions) with the group. This move from a lecture-based model to a collaborative approach challenges students to become risk-takers and transforms their analytical and research skills, preparing them for a lifetime of problem-solving.

The successful candidate must be able to assume responsibility for the leadership and administration of the classes assigned; facilitate a positive academic and formational experience in the Catholic tradition; create and organize a classroom that facilitates student learning and makes use of effective technology tools; provide for the safety and welfare of all students; teach in accordance with Rosary Academy policies and guidelines; and show respect for all individuals and fairness in dealing with students and parents. We expect all candidates to have strong interpersonal skills, excellent communication skills, and an understanding of the developmental needs of adolescent young women.

Under the supervision of the Assistant Head of School/Principal, a Rosary Academy teacher endeavors to achieve the academic, social, and spiritual formational goals of the school. Full-time faculty are expected to teach at least five courses per academic year, serve as a leader to a student advisory group, sponsor at least one club or activity, and contribute to the extra-curricular life of the school. All faculty play a vital role in the continued development, growth, and success of Rosary Academy.

### **Responsibilities and Duties: Teaching**

- Work collaboratively with all stakeholders to create an academically rigorous, college-going culture that is both challenging and supportive of students
- Implement AP Curriculum that utilizes challenges students research-based instructional strategies and methods
- Engage all learners and successfully manage a classroom environment
- Connect daily student learning to real-world problems and situations in the Science field

- Participate in trainings and program development during the summer and throughout the year
- Attend and participate in after-school school and department meetings, events, and Professional Development during the summer or school year

### **Responsibilities: Robotics**

- Create the vision and mission of the Robotics Program with the guidance of the Assistant Head of School/Principal and the Director of Curriculum.
- Reach out to local schools and specialized programs for insights on how to build a strong program.
- Provide opportunities for students to learn directly through experience
- Model how to program and build structurally sound robots and support groups of students in building and programming their own.
- Teach students the principles of Robotics including the functions of power source, sensors, motors and structural members of a robot.

### **Qualifications:**

- B.A./B.S. in Science or Math or Masters' of Math or Science
- Prefer Advanced Placement experience and/or training
- California Credential in Math or Science preferred
- Must be flexible and patient with students; able to present complex content in a variety of ways
- Willingness and desire to teach students who might be reluctant learners
- Strong affinity for hands-on teaching and learning
- Motivation to engage all students, especially reluctant learners
- Willingness to teach STEM and AP content