



## **Engineering and Robotics Teacher**

### **Who We Are**

A faith-based independent school located in Rancho Santa Margarita, St. John's Episcopal School is committed to the full intellectual, spiritual, and physical development of students from two years old through eighth grade. Our integrated, project-based program focuses on STEAM, student engagement, character education, and leadership development in a nurturing learning environment, cultivating students who joyfully embrace lives of service and purpose.

### **Our Ideal Candidate**

St. John's seeks innovative, exemplary Engineering and Robotics teacher who is deeply committed to educational best practices and who share our vision of making St. John's the premier independent school in Orange County. This is an Academic School Year position and will report to the Middle Division Principal.

The duties listed below are representative of the general duties of the role and are not an exhaustive list, as additional duties and responsibilities may be assigned.

**Reports To:** Middle Division Principal

**Start Date:** August 12, 2024

### **Essential Functions**

- Serves as an Educator and works directly with the Middle Division Principal to initiate, implement, and oversee the day-to-day programs for students at a particular grade level.
- Provides for students a supportive, orderly, and interactive classroom environment where creative learning takes place.
- Well versed with and adheres to school policies in all areas of student interaction.
- Serves as an example to colleagues in manners of classroom management, teaching methods and school procedures.
- Provides academic guidance to students; serves as student advocate, helping student families respond to specific academic, emotional, and developmental challenges.
- Communicates with parents, administrators, student services and with chaplains concerning the emotional and physical well-being of students within the classroom.
- Assists administration with division long range planning, as well as the division's daily schedule and calendar.
- Routinely uses educational strategies workshop approaches, project-based curriculum to bolster a student-centered, inquiry-based instructional design.
- Works collaboratively with the Elementary and Middle Division administration, school specialists and teacher colleagues to research curriculum best practice.
- Consistently provides a safe and joyful learning environment that integrates and assimilates the use of The Responsive Classroom into daily student interaction.
- A professional who participates in student-centered assessment and reporting approaches including writing narratives and portfolio assessment.

**Essential Tasks**

- Provides opportunities for creative problem-solving and design embedded within a dynamic and engaging program.
- Serves as a mentor and support to faculty for the integration of project-based learning units in the Engineering & Robotics Lab.
- Integrates interdisciplinary connections between engineering, science, technology, mathematics, robotics, and the arts to provide students with a holistic approach to STEAM concepts.
- Facilitate hands-on experiments, project-based learning, and design challenges to reinforce concepts and promote practical application of engineering principles.
- Guide students in the use of software tools, coding languages, and hardware components relevant to robotics programming, electronics, and innovation: VEX IQ, VEX EDR, VEXcode, ROBOTC, Scratch, Python, Pygame, Khan Academy Javascript, MIT App Inventor, Snap Circuits, Arduino, and Tinkercad.
- Maintains a fun, safe, engaging, and organized learning environment conducive to experimentation, exploration, and innovation and is available to students for questions and assistance with their projects.
- Understands the engineering design process and fosters a classroom culture where students are empowered to explore, iterate, and learn from their mistakes.

**Qualifications**

- Bachelor's degree in education; Master's degree preferred.
- A minimum of three years of teaching in an independent school environment preferred and excellent verbal and written communications skills.
- Computer literacy including proficiency with various software and hardware systems, Internet, e-mail, Google Apps, Microsoft Office, modeling, and design software.
- Knowledgeable about Veracross and/or other student management software.
- Demonstrates leadership and facilitative skills, including the ability to relate effectively with administrators, operations staff, colleagues, parents, and students.
- Ability to think and plan strategically and creatively.
- Ability to supervise and manage multiple functions and activities.
- Ability to remain calm, flexible, and work effectively under pressure.
- Customer service oriented.

**Physical Requirements and Work Environment**

- Ability to lift up to 35 lbs.
- Ability to work outdoors and in a climate-controlled environment
- Ability to be mobile up to 8 hours per day
- Visual acuity both near and far
- Stooping, bending, kneeling, standing, walking, reaching, grasping, pushing, and pulling

**Compensation**

- Anticipated salary is \$52,570–\$62,500, depending on education and experience

**Benefits for Full-Time Employment (Information for Qualified Positions)**

- Medical and dental insurance, with employee-only monthly premiums for certain plans paid fully by the school
- Employer-paid life insurance
- Employer-paid pension plan, with full immediate vesting and limited match
- Vacation and health leave
- Paid school holidays
- Tuition remission for children of faculty/staff

**How to Apply**

All applicants will need to complete the online application on the St. John's Career Opportunities web page ([www.stjohns-es.org/partner-with-us/career-opportunities](http://www.stjohns-es.org/partner-with-us/career-opportunities)). All applicants are encouraged to provide supporting documentation, such as copies of degrees, teaching credentials, or other special certifications.