

FIRST® Robotics Mentor

Saint George's School is seeking applicants for a Robotics Mentor. This program challenges students to design, build, and program industrial-sized robots, competing for awards. The mentor lends their time and talents to guide the team.

RESPONSIBILITIES:

- Inspire students in science and technology
- Motivate and engage students in meaningful activities
- Create open communication within the team
- Facilitate instruction
- Maintain process focus
- Establish an environment conducive to open and honest communication
- Show trust in, and respect for, every team member and his/her ideas
- Encourage kids to take risks and invent
- Encourage accountability
- Actively share knowledge and experience with the team to help foster intellectual growth
- Balance effective work habits with FUN!
- Maintain equipment and purchase supplies
- Register for competitions
- Be a champion for *Gracious Professionalism* and role model the principle within the team
- Develop roles within the team

TECHNICAL SKILLS:

Robot Programming/Software Engineering

- Assist team members with writing code to control robot in C++, Java, Robot C or LabVIEW (depending on program)
- Maintains process focus

Electric Engineering

- Assist team with wiring the robot's power and signal system
- Assist and instruct the team members in the electrical and electronics systems on the robot

Mechanical Engineering

- Aids with design and construction of the robot
- Advise students on the safe use of tools and safety procedures

CAD / Shop Machinery

- Experience using a CNC / lathe as well as CAD preferred

NON-TECHNICAL SKILLS:

Project Management

- Provides and overview of project management concepts for team
- Guides the team throughout the project life cycle

Scholarship

- Assist to educate students, mentors, and parents regarding scholarship opportunities available to FIRST students
- Coordinates application for student/mentor nominations for awards

Marketing

- Provides a basic overview of Marketing concepts
- Assists students with development and implementation of a Marketing Plan in coordination with the development of a Business Plan

Finance

- Assist the team in preparing a Business Plan, financial planning/budget for the season
- Organize and assists with fundraising efforts

QUALIFICATIONS:

- High school diploma required, higher education or equivalent experience preferred
- Previous robotics experience a plus
- Flexible, sense of humor, and team-oriented approach
- Ability to travel to and from school and competitions

TIME COMMITMENT:

- As a mentor, you will be meeting with your team several times per week, after school, during the build and competition season (typically January – April).

APPLICATION PROCESS:

- Applicants should submit:
 - Resume and cover letter
 - Saint George's School application, located at: www.sgs.org/56
 - Three letters of recommendation

Please email your application materials to employment@sgs.org. Although email is preferred, you may also mail your application materials to:

Saint George's School
Attn: Employment Opportunities
2929 West Waikiki Road
Spokane, WA 99208-9209

Applications for this position will be accepted until filled.