



ROBOTICS COACH

Department: Science

FLSA: Exempt

Reports to: Department Chair

Schedule: part-time, academic year, will include evenings and weekends

Designation: Staff

Travel: Occasional

POSITION SUMMARY

Greenhills School has an opening for a qualified and innovative instructor who is deeply knowledgeable and thoughtful about robotics. The robotics coach is responsible for recruiting and training students for robotics competitions. Additional responsibilities include monitoring and assisting students with the design and building of a robot to compete in FIRST Robotics local, regional, and state events. The successful candidate will also attend and supervise students during competitions.

DUTIES AND RESPONSIBILITIES

Coordinate several build sessions per week during the build season (January to March)

- Act as project coordinator for the build/competition season
- Communicate with students/families about all team activities
- Keep student well-being front and center
- Create an atmosphere where students feel valued and cared for so that they can take intellectual risks
- Expose students to new technologies, skills, and knowledge to increase their interest in science, technology, engineering, and math
- Create opportunities for students to take on leadership roles on the team
- Help students improve their problem-solving skills
- Help students feel empowered
- Attend to the administration of the team (register for events, etc.)
- Keep track of a budget and submit expenses

SKILLS AND EXPERIENCE REQUIRED

- General comfort with tools
- Familiarity with software based design tools
- Familiarity with 3d printing and CNC
- Familiarity with Java and computer programming
- Familiarity with electrical concepts and wiring



- The ideal candidate will have substantial expertise in the field and will be:
 - a student-centered educator, skilled in fostering persistent problem solving
 - knowledgeable about adolescents' intellectual, social, and emotional development and willing to positively greet the challenges and opportunities they present
 - a professional oral and written communicator
 - eager to work collaboratively with colleagues on curriculum design and pedagogy.

PHYSICAL REQUIREMENTS TO PERFORM THE ESSENTIAL FUNCTIONS

The physical demands and work environment described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job:

- The employee is frequently required to sit, talk, lift, carry, move about, hear and speak
- Employee may be required to perform work at a computer display terminal.
- The employee must lift and/or move 25 to 50 pounds and may assist or move students with greater weight when required to intervene in student safety issues.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.
- While performing the duties of this job, the employee sometimes works in outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals. It may be expected that the individual could be exposed to blood or other potentially infectious materials during the course of their duties.
- The employee may be exposed to infectious disease as carried by students, exposed to student noise and learning resource noise levels. The employee, working with someone from Greenhills, will arrange for or provide transportation of materials and equipment to and from competitive events.
- Regular standing, stooping and walking to various locations on campus.
- Greenhills School property is a tobacco-free environment.
- COVID-19 Vaccination Required

HOW TO APPLY

Interested candidates should submit a cover letter with résumé/CV, a statement of teaching philosophy, and three references to Science Department Chair, R. Charles Dersheimer at rdersheimer@greenhillsschool.org and to Ruthann Thorne at employment@greenhillsschool.org. No phone inquiries please.

Application Deadline: We will continue accepting applications until the position is filled.



ADDITIONAL INFORMATION

The essential functions and basic skills have been included. It is not intended to be construed as an exhaustive list of all functions, responsibilities, skills and abilities. Additional functions and requirements may be assigned by supervisors as deemed appropriate. This position description is subject to change at any time.

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