



JOB DESCRIPTION

Job Title: Part-time Robotics Teacher

Date: 2026 - 2027 Academic Year (2nd Semester – Part time)

Pay Rate: \$6,250 per section/per semester

Department: Science & Engineering

Reports To: Department Chair, Dean of Faculty, Assistant Head for Academic & Student Life, Headmaster, and Headmaster's Executive Administrative Assistant

Job Summary:

St. Johnsbury Academy seeks a part-time teacher for Robotics. We are looking for an enthusiastic educator who enjoys working with high school students and is passionate about hands-on learning, technology, and problem-solving. The teacher will guide students through the skills and processes needed to design, build, program, and implement technology solutions to authentic problems.

Primary Responsibilities and Duties:

- Develop syllabi, lesson plans, demonstrations, and hands-on learning experiences.
- Teach and mentor students in robotics and related technologies.
- Assess student learning and provide timely feedback in accordance with the school calendar.
- Support students with IEPs and 504 plans and communicate with case managers as needed.
- Provide daily availability during the end-of-day conference period for student support and make-up work.
- Communicate with parents as needed, including participation in up to four parent afternoons/evenings and one residential parents' weekend each school year.
- Maintain classroom expectations and Academy standards, with support from department chairs and deans.
- Collaborate with colleagues within the department and across the Academy.

Other

- Potentially serve as the lead coach for the competitive FIRST Robotics team during the competition season, and working with interested students on enrichment activities in robotics outside of the FIRST competition season.
- Perform other duties as assigned.

Skills and Abilities:

- Excellent organizational, communication, and collaboration skills
- High degree of competence with contemporary educational technologies such as video conferencing, electronic gradebooks, digital whiteboards, and the google education suite
- Flexibility to work occasional evenings and weekends for robotics events
- Demonstrated character and ability to serve as a mentor and role model for young people
- Be committed to the idea of diversity in the classroom, such as the creation of a diverse and varied reading list, and the acknowledgment and acceptance of our students' diversity of culture, gender, and sexuality,
- as well as their varied, economic, and educational backgrounds.
- Be collaborative and open to the idea of team-teaching and/or working regularly with peers.
- Experience with backwards design and creating standards-based lessons is required.
- Requires the ability to engage, teach, assess, and mentor students to their fullest potential.
- Have competence with contemporary educational technologies such as electronic gradebooks, Canvas, and the google education suite or be willing to learn.
- Help students navigate digital and non-digital information.
- Teach critical thinking skills and original idea generation.
- Be creative and encourage creativity and out-of-the-box thinking in our students.



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Education and Experience:

- Bachelor's Degree required
- Strong familiarity with the Java programming language as a minimum programming skill
- Preferred: familiarity with additional digital design software such as Fusion 360 or Unity
- Preferred: experience with VEX robotics

Physical Requirements:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodation may be made to enable individuals with disabilities to perform essential functions.

- Must have the ability to sit and stand for extended periods of time.
- Must exhibit manual dexterity to use classroom, shop and lab tools, telephone, computer, tablet or other learning device.
- Must be able to see and read a computer screen and printed material with or without vision aids.
- Must be able to hear and understand speech at normal classroom or office levels, and on the telephone; speak in audible tones so that others may understand clearly in normal classrooms, and on the telephone.
- Physical agility to lift up to 25 pounds to shoulder height and 50 pounds to waist height; and to bend, stoop, sit on the floor, climb stairs, walk and reach overhead.

Working Environment:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Duties are normally performed in a school classroom, lab, or CTE shop or classroom. The instructor may occasionally work in outside weather conditions and be exposed to wet and/or humid conditions, temperature fluctuations, fumes or airborne particles, chemicals commonly used in instruction, and /or cleaning. The individual could be exposed to blood or other potentially infectious materials during the course of their duties, including contagious diseases carried by students. The noise level in the work environment is usually moderate to loud.

Background Check and Fingerprinting

The Academy conducts criminal record checks on all candidates. We reserve the right to investigate fully any criminal or motor vehicle offense prior to consideration for employment. Job offer is contingent upon satisfactory maintenance or completion of our background and Child Abuse Registry reporting, and acceptance of our Sexual Harassment Policy.

St. Johnsbury Academy is an equal opportunity employer. SJA prohibits discrimination and harassment of any type and affords equal employment opportunities to employees and applicants without regard to race, color, religion, sex, sexual orientation, gender identity or expression, pregnancy, age, national origin, disability status, genetic information, protected veteran status, or any other characteristic protected by law.

Note: Management reserves the right to assign or reassign duties and responsibilities to this job at any time.