



NORTH CROSS SCHOOL

Middle School Robotics Coach



The Opportunity

The primary task of North Cross School's Middle School Robotics Coach is to organize and to coach a team of students in grades 6 through 8 to compete at the Challenge level of First Lego League.

The Middle School Robotics Coach is a part-time role, either before school hours or on the weekends. This person will also travel with the team to competitions on the weekends.

Primary Job Duties and Responsibilities

- Oversee all facets of the Middle School robotics team
- Handle team registration with First Robotics
- Run regular team meetings
- Maintain team equipment and tools
- Lead trips to off-site league competitions
- Collaborate with North Cross faculty involved in the STEM Program and Upper School First Tech Challenge robotics team

Qualifications

- Educational background in math, science, or engineering, with preference given to those with an undergraduate or graduate degree in engineering or related fields, or a deep technological background with an understanding of the engineering design process.
- Ability to communicate, motivate, and understand the students' educational and emotional needs.
- Must be flexible, collaborative, a creative problem-solver, calm, empathetic, and have the ability to multitask.
- Ability to work cooperatively and communicate effectively with other teachers, support staff, parents, and members of the community.
- Ability to recognize and respond to individual and cultural differences in students and use different teaching methods that inspire high student achievement.
- Enthusiasm and joy for working with students.
- Ability to apply the engineering design process, including documentation in a design notebook, demonstrate and emphasize the value of creativity in the design process, and articulate and teach best practices for robot design and building.
- Familiarity and comfort working with software and mechanical elements such as robotics hardware and software, programming, and AutoCAD (preferred)

OUR MISSION

North Cross School is an independent, nonsectarian, college-preparatory school located in Roanoke, Virginia that serves children from early childhood (age 3) through twelfth grade. North Cross provides a rigorous academic curriculum, competitive with the best college-preparatory schools in the Commonwealth of Virginia.

While we explicitly recognize the importance of intellectual development and academic achievement, we also strive to promote personal integrity, empathy, and responsibility to self and community. Through this, our graduates will act as leaders in the local and global communities, persons of intellectual and moral courage, and scholars in the service of others.

SCHOOL PROFILE

North Cross's Middle School Robotics Coach will be a part of a thriving school community. As the premier independent school in the Roanoke Valley serving students in JK3 through 12th grade, North Cross enjoys a healthy enrollment, an engaged parent and alumni community, a joyful and dedicated student body, and an outstanding teaching faculty. The school's annual giving contributes over \$750,000 to the operational budget. The most recent capital campaign, The North Cross Legacy Campaign, raised over \$13 million, which transformed the campus with a renovated Upper School, a new Student Commons and Library, as well as an Administrative wing. A beautiful new green space in the heart of campus connects all academic divisions.

North Cross boasts a strong reputation for its impressive academic programming and robust arts and athletic programs. Foundational to the student experience is North Cross's Honor Code, its student leadership initiatives, and its international programming. As a mission-driven institution, North Cross is committed to character education and developing leaders in local and global communities. Its emphasis on global programming includes an international campus in Shanghai as well as a partnership with an international and domestic boarding program located in downtown Roanoke.



To Apply

If you are passionate about working with young minds and making a difference in their lives, we encourage you to apply for the position by emailing Ashley Turner at aturner@northcross.org with a resume and a cover letter. Join our team of dedicated professionals committed to providing our students a quality education.



North Cross School