



Company Profile: Montverde Academy is a coeducational independent school that serves grades Pre-K3–12. Our boarding program serves grades 7-12 and post-graduate studies. At the heart of an MVA experience is an engaging and challenging academic environment that inspires students to achieve at the highest level. Inside and outside of the classroom, students develop their talents and abilities through involvement in fine arts, athletics, school clubs, and service organizations. Our staff members, parents and students are part of a close-knit, deeply caring community. We emphasize positive relationships that help build self-esteem and confidence in our students, where each individual feels like a valued community member. We enjoy cultural diversity unlike any other school as we attract students from around the world. With more than 75 nationalities represented by students, our international character adds an exciting global perspective to our community and the educational experience we provide.

Job Title:

Montverde Academy Engineering and Robotics Teacher

Contact:

David Bernatavitz: Assistant Head of School, Upper School, Student Affairs

Job Description: The Engineering and Robotics Teacher will teach courses and offer enrichment activities in all three divisions. This person designs developmentally appropriate engineering lessons that utilize our lower school and middle/upper school maker spaces. This individual will manage our robotics space utilizing both the FIRST and VEX robotics programs. Opportunities for summer employment will be available through activities that provide summer enrichment for MVA students.

Responsibilities:

- Create and manage a schedule for regular interaction with classes across all divisions for maker-space use and robotics team development.
- Develop and implement an engineering curriculum for all levels that engages the use of our Maker Spaces and Robotics programs.
- Establish safety procedures for Maker Space Use with collaboration from the Director of Educational Technology and Innovation.
- Instruct students in middle school and upper school on the proper use and safety of the resources in the Maker Space including power tools, eye care, sewing machines, etc.
- Supervise the Middle/Upper School Maker Spaces ensuring student safety when students request their use or work with the Director to devise ways that these spaces can be properly supervised after school hours.
- Create and coach a Lower School robotics club/team using FIRST or VEX robotics programs to instruct about the process of coding and robot builds.
- Coordinate the Middle School FIRST LEGO robotic team(s) with possible instruction/coaching of the team(s) and attending competitions for qualifiers and beyond.
- Advise the High School VEX robotic team(s) with instruction/coaching of the team(s) and attending competitions for qualifiers and beyond.
- Plan the expansion of the US robotics position to include FIRST robotics as the program grows.
- Promote cross-collaboration between all Innovation Center programs.
- Maintain an environment conducive to academic engagement in all classes at all department levels.
- Demonstrate a commitment to problem-based, authentic learning experiences.
- Demonstrate a commitment to fostering innovation.
- Demonstrate a desire to meaningfully integrate technology into the classroom.
- Employ various teaching methods to engage different learning styles and ability levels in the classroom.
- Prepare motivating and stimulating lessons that reflect knowledge of the curriculum, child development, and student abilities.
- Encourage an inclusive classroom that accepts the different perspectives and backgrounds of the students and elicits a greater understanding of the world around them with a global perspective.
- Design and conduct summer camps for engineering and robotics.

Qualifications:

- Bachelor’s degree required in Engineering-related field; Master’s degree preferred.
- Must be able to contribute meaningfully to extracurricular programming in Robotics and Engineering.

- Experience with and/or certification in Project Lead the Way preferred.
- Candidates must have excellent writing, interpersonal, and organizational skills.
- Background check and drug screening required.
- Support and act in accordance with the school's mission.
- Foster a safe, consistent, and supportive environment for all students.
- Interact with colleagues in a respectful and collegial manner that encourages a healthy faculty culture.
- Embrace and demonstrate the school's commitment to Diversity, Equity, Inclusion, and Justice.
- Demonstrate effective planning and preparation for engaging instruction.
- Uphold professional standards of personal presentation, courtesy, and communication.
- Maintain professional credentials as outlined by accrediting agencies and as addressed in the faculty handbook.
- Honor the confidentiality of school, student, and family information.
- Comply with and support the policies and procedures as articulated in the school's handbooks.
- Engage in self-reflection and annual development of a growth and renewal plan. This includes written goals and progress toward those goals.

Physical requirements:

- While performing the duties of this job, the employee is regularly required to sit; use hands to finger, handle, or feel and talk or hear. The employee is frequently required to reach with hands and arms. The employee is frequently required to stand, walk; climb or balance; stoop, kneel, crouch, or crawl.
- The employee must regularly lift and/or move up to 10 pounds, frequently lift and/or move up to 25 pounds and occasionally lift and/or move up to 50 pounds.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.
- Must be able to access and navigate each department at the Academy's facilities.