



Computer Science and Technology Specialist: Middle School Position Available for the 2022-23 School Year

Pine Crest School is seeking a dynamic and passionate educator to teach computer science wheel courses to students in grades six, seven, and eight. The ideal candidate has exemplary teaching skills, a desire for ongoing professional development, a passion to teach and learn from young people, and experience in computer science and robotics. The full-time position includes collaborating with colleagues to integrate educational technology, robotics, and coding throughout the curriculum. In addition, the Middle School Computer Science and Technology Specialist serves as an advisor for students and supports growth among the faculty in the use of computer science and technology within our educational framework.

Responsibilities:

- Help build enthusiasm among students in the area of coding, emerging technologies such as artificial intelligence, machine learning, and virtual reality
- Implement weekly lessons for Computer Science, Design Thinking, and fabrication in grades 6-8 (approximately 35 lessons per grade)
- Create lessons that help students to learn logical reasoning, algorithmic thinking, design, and structured problem solving
- Provide opportunities for students to implement, test, and deploy a solution considering real-world constraints
- Collaborate with colleagues to integrate computer science and technology skills into the core curriculum
- Provide professional development for educational technology integration and computer science
- Partner with others to coach Middle School VEX robotics team and/or exploratory robotics program.
- Engage students in using maker toys examples include: microcontrollers (BBC Microbit), robots, virtual reality and augmented reality, artificial intelligence
- Desire to seek out and explore new technologies to improve the program
- Use programs such as Google Apps, Google Sites, Design Thinking, etc. with students
- Present sessions at the School's annual *Innovation Institute and Teachers Teaching Teachers* on technology integration

Skills:

- Proficient in Google - Google certification is preferred
- Experience with developing engaging presentations
- Experience with robotics and emerging technologies
- Experience with Scratch and Python coding languages
- Experience with VEX robotics

The Application Process:

If you are interested in applying for this position, please email the following material to employment@pinecrest.edu; please put "MS Comp Sci" in the subject line.

- Cover letter explaining your interest in this position; highlight relevant experience
- Two-page resume