



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

Pine Crest School is seeking a dynamic educator to teach computer science and technology integration in Lower School. The full-time position will include teaching introduction to computer science and collaborating with colleagues to integrate educational technology, digital portfolios, and computational thinking throughout the curriculum. The ideal candidate has exemplary teaching skills, a desire for ongoing professional development, a passion for teaching and learning, and experience in educational technology, computer science and/or robotics.

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 in grades pre-kindergarten through first grade (approximately twenty-five 30-35 minute classes per week)
- Teach students logical reasoning, algorithmic thinking, design and structured problem solving
- Assist teachers with integrating technology into the classroom as changing technology dictates
- Provide opportunities for students to implement, test, and deploy a solution considering real-world constraints through the design thinking process.
- Collaborate with colleagues to integrate computer science and technology skills into the core curriculum
- Provide professional development for educational technology, digital portfolios, and computer science to the faculty and staff including Google Apps and training on interactive touch panels
- Present sessions at the School's annual *Innovation Institute and Teachers Teaching Teachers* on technology integration
- Engage students in using robots such as: Ozobots, KIBO, Robot Mouse, Bee Bots, and Dash & Dot
- Develop learning experiences for students using programs that include: Scratch Jr, Scratch, Seesaw, Book Creator, etc.
- Assist with Lower School morning edition of PCTV
- Consult with departments such as Admissions, Fine Arts, Security, Learning Network, etc. to assist with their technology needs
- Manage grade level educational software for grades prekindergarten, kindergarten, and first grade
- Manage iPads using the JAMF system

Preferred skills:

- Proficient in Google - Google certification is preferred
- Experience with iPad management using JAMF
- Experience with Chromebooks
- Experience developing engaging presentations
- Experience with LEGO or 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 "LS Comp Sci" in the subject line.

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