

Computer Science and Educational Technology Specialist

Pine Crest is seeking a dynamic and passionate Computer Science and Technology Specialist to implement our computer science program and infuse educational technology throughout the middle school. Computer Science and Technology Specialists will work with students to develop fundamental computations thinking and programming concepts through hands-on unplugged and plugged-in exercises with a variety of interactive digital tools and technology toys. Instruction will focus on developing students that can work independently and collaboratively using age-appropriate digital media. Computer Science and Technology Specialists will cultivate responsible digital citizens.

The ideal candidate has exemplary teaching skills, a desire for ongoing professional development, a passion to teach and learn with young people, and experience with integrating technology into the curriculum.

Responsibilities include:

- Inspiring and participating in the development and implementation for integrating technology into the classroom to support the instructional environment.
- Assisting teachers in using technology effectively for assessing student learning, differentiating instruction, and providing rigorous, relevant and engaging learning experiences for all students.
- Model, design, and implement technology enhanced learning experiences using a variety of research-based, learner-centered instructional strategies to address the needs and interests of students.
- Model effective use of technology tools and resources to enhance student learning.
- Create and support effective digital age learning environments to maximize learning of all students.
- Troubleshoot basic software, hardware, and connectivity problems common in digital learning environments.
- Collaborate with teachers and administrators to select and evaluate digital tools and resources that enhance teaching and learning.
- Design, develop, and implement technology rich professional learning programs.
- Model and promote digital citizenship
- Model and facilitate lessons that promote safe, healthy, legal and ethical uses of digital information and technologies.
- Develop lessons for both teachers and students that incorporate Gsuits, Scratch, MIT App Inventor, Spheros, virtual reality, Ozobots, Osmos, Little Bits, drones, Raspberry Pi, Arduinos, and other tools that support coding and educational technology.
- Become a proficient user and analyst of school-wide technology systems.
- Be available as a technology consultant for the purpose of assisting with creative lesson planning.
- Develop and design curricular resources using various software, hardware and delivery methods that align with the curriculum

- Build strong working relationships with teachers; identifying each teacher's unique approach to pedagogy as well as the needs of their individual students.
- Providing professional development on existing and emerging educational technologies.
- Teaching application-specific workshops and demonstration of new software/hardware.

The Middle School Computer Science and Technology Specialist will teach seven week wheel courses for students in grades 6-8 which meets five days per week. In addition, the Middle School Computer Science and Technology Specialist will lead the Middle School robotics elective and competitive team (s) that meet 2 days per week during eighth period. Also, the Middle School Computer Science and Technology Specialist will cooperate with faculty to integrate Computer Science into the core curriculum, model and promote digital citizenship, support teachers in deepening their pedagogical skills and/or increasing student learning, and set-up, organize, manage, troubleshoot, and actively promote technology resources for classroom use.