



K-8 Computer Science Faculty Position

SAES K-8 Computer Science Program

Saint Andrew's Episcopal School believes computer science is an essential discipline that should be taught in all primary and secondary schools. Via computer science, students learn design, logical reasoning, and problem solving - all valuable well beyond the computer science classroom. The SAES CS Program incorporates project-based learning, team teaching, inquiry-based learning, and a variety of electronic devices and software tools to expose students to diverse elements of a computer science curriculum. Students will learn app development, coding languages (e.g., Java, Python, JavaScript and others), in addition to Instructional Design (instructional graphics, instructional web design, and instructional video production). With extensive use of team teaching, the SAES approach leverages both the academic and real-world experience of the CS Department faculty.

The CS Program also recognizes the supreme value of student agency and voice as one of the utmost keys to authentic and engaged learning. The SAES CS Program reflects this vital principle by exploring individual student interest and choice whenever possible.

The Role

We seek an experienced teacher with expertise in teaching Computer Science across lower and middle grades, incorporating computer science within a cross-disciplinary, project-based learning environment. This is a unique opportunity for a visionary teacher to join our team of educators with diverse backgrounds to develop an innovative and world class K-8 computer science and instructional design program. Saint Andrew's Episcopal School is committed to implementing a focused, intentional and modern computer science program that teaches concepts through several hand-picked programming languages and tools.

In addition, the ideal candidate will have interest and experience in a variety of modes of teaching and be highly skilled at differentiated instruction. The candidate will have taught several years at the primary, middle, or high school level, and will have

knowledge of more than one academic discipline, as well as experience in and passion for building integrated, interdisciplinary programs of study. In particular, we seek dedicated educators who have an interest in collaborating and working closely with our current faculty, with the possibility of team-teaching at several grade levels.

General Responsibilities for Teachers

- Develop and teach your courses based on best-practices and with the highest standards for each student
- Convey enthusiasm for intellectual inquiry and model lifelong learning
- Design instruction that emphasizes critical thinking and real-world problem solving
- Collaborate with colleagues in the development and execution of curriculum
- Create hands-on, inquiry and project-based learning experiences
- Collaborate effectively with students, parents, teachers and administrators
- Model flexibility in implementing best learning practices
- Support the well-being of all students
- Participate actively in other aspects of the student experience and school functioning: chaperoning trips and events, serving on committees, and developing new programs at the school when appropriate and resources allow
- Demonstrate a growth mindset in all aspects of professional conduct

Position Qualifications

- Demonstrated mastery in area of study and ability to teach within and across academic disciplines
- University degree, ideally in a combination of computer science and education
- Minimum of three years teaching experience
- Successful teaching experience in primary and/or secondary school
- Thoroughly conversant with current thinking on teaching PK12 computer science, including the CSTA curriculum and other resources
- Strong hands-on programming and teaching skills using modern educationally interesting languages such as Alice, C, C++, Objective C, Java, JavaScript, Lua, Python, PHP, Scratch, and HTML/CSS/JS
- Familiarity with advanced topics in computer science and electrical engineering such as algorithms, data structures, optimization, wearable electronics, microprocessors, machine learning, artificial intelligence, and modern software development practices
- Excellent oral and written communication skills
- A desire to integrate curriculum with other subjects and to teach collaboratively
- Flexibility and creativity in working in a dynamic environment where new ideas, mistakes, and iteration are embraced.
- A profound openness to feedback and improvement, modeling lifelong learning

of practice as well as subject area.

HelpDesk Duties

At periodic times of the year, the role may require the addition of basic helpdesk and technology support responsibilities. The scope and frequency of such responsibilities will depend on the changing staffing needs of the school.

Typical Responsibilities and Functions of HelpDesk duties:

- Assist with the maintenance of various student online databases used for web-based curriculum (such as IXL, Accelerated Reader, Schoology, Google Apps, etc.). No prior existing knowledge of such databases is necessary. The school will provide on-site training if necessary.
- Troubleshoot iPads, Mac OS laptops, and Google Chromebooks.
- Install and configure software.
- Document issue status and resolution using the help desk ticketing system.
- Maintain excellent communications with members of the technology department and all client/end users.
- Maintain and troubleshoot classroom audio visual equipment.
- Zealously maintain inventory and other databases.
- Execute other assigned tasks.

Required Skills and Abilities:

- Ability to clearly communicate technical concepts to non-technical people.
- Ability to recognize, analyze, and effectively solve problems in a timely and organized manner using industry best practices and procedures.
- Ability to multi-task in a fast-paced environment.
- Ability and willingness to request additional help from other on-campus resources such as the IT Manager, Network Administrator, and/or the Director, to assist with problematic issues.

The School

Saint Andrew's Episcopal School is committed to excellence in educating the whole student. We value the uniqueness of each and every child, celebrate their curious, creative, and social nature, and respect their desire for autonomy, competence, and fun. To meet these needs, we partner with families to uphold high expectations for learning and character and to foster student inquiry, reflection, and risk-taking in a safe, inclusive, and nurturing environment. By doing so, we aim to empower children to discover their personal best, to become confident, lifelong learners, and to contribute to the greater community.

At Saint Andrew's, teaching and learning are rooted in respectful, trusting relationships and the modeling of our school values by all members of our community. Our personal, relationship-based approach compels us to design curriculum and programs, drawn from current research and best practices, that are responsive to student needs, strengths, and interests along a learning continuum. Through their journey, students acquire knowledge, skills, dispositions, and values that will serve them as scholars and contributors as they *Learn, Live, and Lead with Purpose*.

To Apply

Please send a cover letter, resume, and the names and contact information of three references via email to jobs@st-andrews.org.