Computer Science Teacher

Purpose Statement

The job of Computer Science Teacher is done for the purpose/s of instructing students in a wide range of computer science courses, including computer applications, computer graphics, web design, emerging technologies, software development and game design and JAVA programming. The Teacher prepares students for post-secondary education and career readiness.

Essential Functions

- Develops and conducts classroom, small group, and individual lessons to teach students computer science skills.

- Instruct students on how computers work, from the basic science and mathematics behind their operation to the actual hardware and software built on those foundations.

- Teach students how to write computer programs, algorithms and programming languages.

- Stays up-to-date on changes and advancements in computer technologies taught in the classroom.

- Prepares lesson plans, activities, assignments, assessments, and materials that follow curriculum guidelines.

- Provides timely feedback on summative and formative assessments to allow students to improve skills necessary for secondary success.

- Meets with students outside of classroom instruction time in order to provide extra instruction as needed.

- Collaborates and communicates with colleagues, students, and parents to determine best practices and strategies for improving student achievement.

- Establishes and enforces rules for behavior and procedures for maintaining order among students.

- Maintains accurate, complete and correct student records as required by laws, district policies and administrative regulations.

- Works with special education staff to make modifications for special education students; communicates with parents regarding student issues.

Other Functions

- May also advise school activities, clubs and other extracurricular activities.

- Performs administrative duties such as hall & cafeteria monitoring, and bus loading/unloading as assigned.

- Attends staff meetings and serves on staff committees, as required.

- Attends professional meetings, educational conferences, and teacher training workshops to maintain and improve professional competence.

- Performs other related duties as assigned.

Job Requirements: Minimum Qualifications
Skills, Knowledge and Abilities

SKILLS are required to perform multiple tasks with a need to routinely upgrade skills in order to meet changing job conditions. Specific skill based competencies required to satisfactorily perform the functions of the job include: verbal and written communication; operating standard office equipment including using pertinent software applications;

experience with Adobe products including Photoshop, InDesign, Illustrator and Dreamweaver; experience with Notepad+++ and object-oriented programming; experience with digital cameras and scanners; preparing and maintaining accurate records; and using district approved crisis intervention techniques.

KNOWLEDGE is required to perform advanced math; read technical manuals, compose a variety of documents, and/or facilitate group discussions; and analyze situations to define issues and draw conclusions. Specific knowledge based competencies required to satisfactorily perform the functions of the job include: instructional procedures and practices; stages of child development/behavior and learning styles; evidence-based practices to help children meet goals; age appropriate student activities; database design and file management techniques; electricity and electronic computers; hardware and software used in the classroom; maintenance and repair of desktop and laptop computers, printers, monitors, and interface devices; safety practices and procedures; conflict resolution; and crisis de-escalation techniques.

ABILITY is required to schedule activities and/or meetings; often gather, collate and/or classify data; and use job-related equipment. Flexibility is required to independently work with others in a wide variety of circumstances; analyze data utilizing defined but different processes; and operate equipment using defined methods. Ability is also required to work with a significant diversity of individuals and/or groups; work with job-related data; and utilize a variety of job-related equipment. Problem solving is required to analyze issues and create action plans. Problem solving with data may require independent interpretation; and problem solving with equipment is significant. Specific ability based competencies required to satisfactorily perform the functions of the job include: adapting to changing work priorities; communicating with diverse groups; building effective relationships; maintaining confidentiality; preparing and maintaining accurate records; working individually and as part of a team; and working with constant interruptions.

Responsibility
Responsibilities include: working under limited supervision using standardized practices and/or methods; leading, guiding and/or coordinating others; utilization of resources from other work units is often required to perform the job's functions. There is some opportunity to significantly impact the organization's services.

Work Environment
The usual and customary methods of performing the job's functions require the following physical demands: some lifting, carrying, pushing, and/or pulling; and significant fine finger dexterity. Generally the job requires 40% sitting, 20% walking, and 40% standing. The job is performed under conditions with exposure to risk of injury and/or illness.

Experience: One to three years of experience in computer science or education.

Education: Bachelor's degree in Computer Science, Education with an emphasis in Computer Science, or other related field.

Equivalency:

Required Testing   **Certificates and Licenses**
                                                             Kansas Teaching Certification

Continuing Educ./ Training   **Clearances**
                                                             Criminal Justice Fingerprint/Background Clearance
                                                             Kansas Certification of Health

FLSA Status   **Approval Date**   **Salary Grade**
Exempt