



Job Description **Career and Technology Education (CTE)** **Computer Science Teacher**

General Statement:

SPS envisions graduating caring, confident and successful young people: individual students who are not only academically prepared, but also are attuned to their humanity and empowered to interact with, appreciate and enrich the world around them. We envision classrooms that are student-centered and teacher-driven, where instruction is tailored to meet the learning needs of every student. We envision a community that fosters inquiry, collaborative problem-solving, critical thinking, creativity, risk-taking, reflection and feedback as part of the individual and organizational learning process.

A competent **CTE Computer Science Teacher** understands the knowledge and skills needed to prepare students for further education and careers in current or emerging professions, include competency-based, work-based, or other applied learning that supports the development of academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, employability skills, technical skills, and occupation-specific skills, as well as knowledge of all aspects of an industry, including entrepreneurship. The **CTE Computer Science Teacher** works to provide every learner a relevant and rigorous education, foster a culture that encourages risk-taking, problem-solving and embracing change, and works to engage our families to maximize opportunities.

Major Responsibilities:

- Demonstrates knowledge of modern computer programming languages. Java preferred.
- Demonstrates knowledge of human growth and development as it relates to the teaching and learning process.
- Plans Instruction that guides the development of flexible learning environments and inquiry based instruction that can accommodate individual learning differences.
- Develop learning activities that are accessible by every learner and that connect all students with their history, their community and their world.
- Prepare and deliver engaging lessons that involve students in meaningful and rigorous tasks that produce high levels of learning.
- Provide every learner a relevant and rigorous education in a safe environment.
- Foster a classroom culture that encourages risk-taking, problem-solving and embracing change.
- Utilize data from interim assessments to drive instruction and intervention.
- Partner with our community and engage our families to maximize opportunities and instill a sense of pride in all who are part of our school system.
- Contribute to the development of a robust computer science career pathway which anticipates jobs of the future and provides students with the skill sets required to be successful.
- Assist in developing pathway for careers that are high demand, high wage and high skilled in the cluster of information technology.

Qualifications:

- Connecticut State Department of Education Certification endorsed for Technology Education, PK–12 (047) or Business, 7–12 (010)
- Demonstrated excellence in teaching high school computer science
- Mastery of and enthusiasm for subject matter.
- Strong instructional and classroom management skills.
- High level of personal organization and planning.
- Knowledge of and/or demonstrate the ability to learn and implement Operating Systems (i.e. Windows); Office suites (i.e. Microsoft Office, Google Docs); Presentation Software (i.e. PowerPoint, Keynote); Spreadsheets (i.e. Excel, Google Spreadsheets); Communication and Collaboration tools (i.e. Skype); Accounting Software (i.e. QuickBooks); Student Information Systems (i.e. Naviance, Power School); or any other technology deemed relevant for this position.

Board Approved 06/25/2019

Employee Signature

Date

Employee Name (Please Print)