Stamford Public Schools
EXCELLENCE IS THE POINT.

General Statement:
The **Project Lead the Way (PLTW) Design Teacher** facilitates collaborative problem solving with each student in order to effectively assess their needs and progress through PLTW Gateway units of study. The **PLTW Design Teacher** is responsible for planning hands-on lessons to engage students in collaborative problem solving with the primary aim of connecting their learning to the real world. The **PLTW Design Teacher** will use an interdisciplinary approach to teaching and learning of the Common Core and ISTE standards for educators through explorations of coding and robotics, data processing, and the design process. The **PLTW Design Teacher** reports to building administration.

Major Responsibilities:
- Demonstrates knowledge and application in the Common Core standards of reading, writing, and mathematics and ISTE standards as they connect and support the PLTW Gateway units of study.
- Effectively engages students in hands-on lessons focused on collaborative problem solving.
- Demonstrates knowledge of human growth and development as it relates to connecting the teaching and learning process to real-world scenarios.
- Effectively communicates with students, parents, and staff.
- Effectively organizes time, space, materials, and equipment for instruction.
- Effectively assesses student needs and progress.
- Effectively meets the needs of exceptional students, including ELL strategies.
- Inspires students to stretch their learning in new and innovative ways.

Physical and Mental Demands, Work Hazards:

Works in standard office and school building environments.

Knowledge and Skills:
- Commitment to creating schools that provide an education that cultivates productive habits of mind, body, and heart in every student.
- Proficient in utilizing Google Classroom or other digital classroom platforms.
- Understands how to utilize multiple communication platforms such as email (Outlook and Gmail), Remind, Lions Bridge.
- Demonstrated knowledge of applicable Common Core State Standards, Technology Standards, and Design Criterion.
- Evidence of ability to work cooperatively with administrators, teachers, and paraeducators.
- Evidence of organizational ability and willingness to pursue tasks to successful completion.
- Superior communication skills (oral and written).
- 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, PowerSchool); or any other technology deemed relevant for this position.

Qualifications:
- CT CSDE Teaching Certification endorsed for appropriate grade level in STEM:
  - Elementary, K-6 (013) or Elementary, 1–6 (305) (for 6th Grade only)
  - Business, 7–12 (010)
  - Computer Science (110)
  - Home Economics, PK–12 (045)
  - Mathematics, 7–12 (029); Mathematics, Middle School, 4–8 (229)
  - Science:
    - Biology, 7–12 (030); Biology, Middle School, 4–8 (230)
    - Chemistry, 7–12 (031); Chemistry, Middle School, 4–8 (231)
    - Earth Science, 7–12 (033); Earth Science, Middle School, 4–8 (233)
    - General Science, 7–12 (034); General Science, Middle School, 4–8 (234)
    - Physics, 7–12 (032); Physics, Middle School, 4–8 (232)
  - Technology Education, PK–12 (047)
- CT CSDE Teaching Certification endorsed for Technology Education, PK–12 (047) or Computer Science (110) preferred.
- Must be willing to participate in 40 hours of initial training to acquire the skills required to work effectively in all aspects of PLTW as well as ongoing professional development as necessary.
- Demonstrated excellence in teaching the subject area(s) and/or instructional levels targeted.
- Such alternatives to the above qualifications as the Superintendent and/or Stamford Board of Education may find appropriate.

Union:
Stamford Education Association (SEA)

Work Year:
186 days

Salary:
Per SEA Contract

Finalized 06/05/2024; Revised 11/12/2024

_____   _____
                    Employee Signature   Date

_____
              Employee Name (Please Print)