



**CONSOLIDATED SCHOOL DISTRICT OF NEW BRITAIN**  
**TALENT DEVELOPMENT OFFICE**

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## **STEAM (Science, Technology, Engineering, Arts & Math) Teacher**

### **POSITION SPECIFICATIONS**

#### **REPORTS TO**

Building Principal.

#### **PRIMARY FUNCTION**

- Implement the STEAM (Science, Technology, Engineering, Arts, and Math) curriculum with fidelity.
- Collaborate with teachers on integrating STEAM concepts into the core curriculum.
- Model, deliver, and craft rich, student-centered learning experiences around Science, Technology, Engineering, Arts and Math.
- Assess and manage STEAM learning experiences.
- Model and teach digital citizenship.

#### **QUALIFICATION PROFILE**

##### **CERTIFICATION / LICENSE**

- Current Connecticut teacher certification for Grades K-5 required.
- Dual certification in science or technology is desirable.

##### **EDUCATION**

- Bachelor's degree from an accredited college or university in education or other relevant field.
- Master's degree in an education-related field from a regionally accredited college or university. (Master's Degree in educational technology or instructional technology is desirable)

##### **EXPERIENCE**

- A minimum of 5 years exemplary elementary classroom teaching experience preferred.
- Excellent attendance record.
- Prior experience in STEAM education or involvement with STEAM activities/competitions preferred.

#### **SKILLS, KNOWLEDGE & ABILITIES**

- Expert level of technology and its use in cultivating the 4 Cs of 21<sup>st</sup> century skills: critical thinking, creativity, collaboration, and communication.
- Deep knowledge of content standards, effective instructional strategies and assessment driven instruction.
- Familiarity with a variety of instructional technologies and STEAM-related topics including engineering and design, practices of NGSS, arts integration, digital literacies, coding and robotics.
- Knowledge of problem-based practices.
- Knowledge of culturally relevant practices.
- Ability to establish and maintain cooperative relationships with students, staff, and the community.
- Ability to collect and analyze data and positively contribute to data teams.

#### **ESSENTIAL PERFORMANCE RESPONSIBILITIES**

- Implements the STEAM curriculum, which emphasizes the acquisition of the 4 Cs of 21<sup>st</sup> Century Learning.
- Provides direct support to classroom teachers by coaching, modeling or co-teaching, to demonstrate the effective integration of STEAM concepts and instructional best practices.

- Employs instructional methods that include project based learning and technology integration.
- Provides inquiry-based experiences where possible.
- Provides small group instruction for intervention/enrichment outside STEAM content.
- Maintains an inventory of STEAM instructional materials and supplies and ensures equipment is in working order.
- Keeps families informed of student progress toward STEAM standards.
- Attends networking events, professional development and training related to STEAM programs, staying current on research and development related to methodologies and materials.

## ADDITIONAL DUTIES

- May share professional literature with staff.
- Makes constructive use of personal evaluation.
- Strives to maintain and improve professional competence.
- Maintains Connecticut teaching endorsement.
- Assumes other responsibilities unique to STEAM education.
- Performs other duties as assigned by the building Principal.

## EQUIPMENT

Must be able to use a personal computer and job-related equipment.

## TRAVEL REQUIREMENTS

- Travel between schools may be required.
- Travel to STEAM facilities and related organizations as needed

## TERMS OF EMPLOYMENT

### SALARY & BENEFITS

Salary and benefits as set forth in the Local 871 collective bargaining agreement.

### WORK SCHEDULE

Follows school procedures as established by the principal in accordance with the agreement with the New Britain Federation of Teachers.

### UNION AFFILIATION

Local 871, New Britain Federation of Teachers.

## FUNDING SOURCE

Local or grant funded.

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*Note: The above description is illustrative of tasks and responsibilities. It is not meant to be all inclusive of every task or responsibility.*

CREATED: 3/2018 HC  
 BOARD APPROVED: 4/16/18  
 REVISED: JW 1-4-23  
 PERSONNEL REVIEW: 01/30/2023  
 BOARD APPROVED: 02/06/2023