JD26-15

STEM TEACHER

Seaman USD 345 - Job Description

PURPOSE

The STEM Teacher provides engaging, innovative, and developmentally appropriate instruction that integrates science, technology, engineering, and mathematics. This position develops hands-on, inquiry-based, and project-based learning experiences that promote critical thinking, creativity, collaboration, problem-solving, and the application of academic concepts to real-world situations.

The STEM Teacher creates a positive learning environment that encourages exploration, innovation, and student success. To accomplish these tasks, the STEM Teacher must work closely with students, staff, administration, families, and community members of Seaman Schools.

RESPONSIBLE TO:	Building Principal
CLASSIFICATION:	Exempt/Certified
DATE:	November 2026

QUALIFICATIONS

1. Bachelor's degree from an accredited college or university.
2. Valid Kansas teaching license with an appropriate endorsement or authorization for the assigned teaching position, or eligibility to obtain the required credential in accordance with Kansas State Department of Education requirements.
3. Knowledge of STEM education, developmentally appropriate instructional strategies, and applicable curriculum standards.
4. Ability to develop engaging, hands-on, inquiry-based, and project-based learning experiences that promote critical thinking and problem-solving.
5. Knowledge of educational technology, engineering design, student assessment, instructional differentiation, and classroom management.
6. Strong communication, collaboration, organizational, creativity, and problem-solving skills.
7. Ability to work effectively with students of varying abilities and backgrounds while demonstrating a commitment to professional growth.

ESSENTIAL FUNCTIONS

1. Knowledge, Skills and Abilities

A. Plan and deliver engaging, standards-aligned instruction that integrates science, technology, engineering, and mathematics.

B. Develop hands-on, inquiry-based, and project-based learning experiences that encourage creativity, collaboration, experimentation, and real-world problem-solving.

C. Incorporate engineering design, scientific inquiry, educational technology, coding, robotics, and other appropriate STEM resources into instruction.

D. Differentiate instruction and implement appropriate accommodations, modifications, and interventions to support diverse student learning needs.

E. Assess student learning through projects, demonstrations, observations, and other appropriate methods while using results to guide instruction.

F. Establish and maintain a safe, positive, inclusive, and structured learning environment while reinforcing appropriate safety procedures for classroom technology, tools, equipment, and instructional activities.

G. Collaborate with teachers, administrators, and other district personnel to support interdisciplinary instruction and student learning.

H. Communicate effectively with students, families, and staff regarding instructional activities, student progress, and classroom expectations.

I. Demonstrate professionalism, creativity, flexibility, effective classroom management, and compliance with applicable laws, district policies, and professional expectations.

2. Physical Requirements/Environmental Conditions

A. Ability to sit, stand, walk, bend, stoop, kneel, reach, and move throughout instructional environments as required.

B. Ability to operate computers, instructional technology, classroom tools, STEM equipment, and other devices necessary to perform assigned duties.

C. Ability to lift, carry, push, pull, and move instructional materials, equipment, and supplies weighing up to 25 pounds as required.

D. Ability to supervise students during classroom instruction, hands-on projects, laboratory experiences, and other assigned activities.

E. Ability to work in environments with varying noise levels, frequent interruptions, and diverse student needs.

F. Ability to maintain emotional control, exercise sound judgment, and respond appropriately to behavioral concerns, safety issues, and emergencies.

G. Requires regular attendance and/or physical presence at the job.

GENERAL RESPONSIBILITIES

1. Plan and deliver standards-aligned STEM instruction through hands-on, inquiry-based, and project-based learning experiences that promote critical thinking, creativity, collaboration, and real-world problem-solving.
2. Incorporate scientific inquiry, engineering design, instructional technology, coding, robotics, and other appropriate STEM resources to enhance student learning.
3. Differentiate instruction and assessments to meet individual student needs, including implementing applicable Individualized Education Programs (IEPs), Section 504 Plans, and other established student supports.
4. Create and maintain a positive, inclusive, and safe learning environment that promotes student engagement, responsible behavior, and appropriate use of classroom tools, technology, and equipment.
5. Assess and monitor student learning through projects, demonstrations, classroom assessments, and observations while maintaining accurate records and using results to improve instruction.
6. Maintain, organize, and appropriately utilize assigned STEM materials, instructional resources, classroom technology, and equipment.
7. Collaborate with teachers, administrators, and other appropriate personnel to support interdisciplinary instruction, STEM integration, and student awareness of STEM-related educational and career opportunities.
8. Establish positive relationships and maintain effective communication with students, families, and colleagues regarding student progress, classroom activities, and instructional expectations.
9. Provide appropriate student supervision and support, including supervising, training, and formally evaluating assigned paraprofessionals, when applicable, in accordance with district procedures.
10. Participate in professional development, curriculum planning, staff meetings, and collaborative activities; maintain student confidentiality; comply with applicable laws and district policies; and perform other duties as assigned by the Building Principal consistent with the position.

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This document describes the general purpose and responsibilities assigned to this job and is not an exhaustive list of all responsibilities and duties that may be assigned or skills that may be required. Duties, responsibilities, and activities may change at any time with or without notice.