

Job Title: K-6 STEM TEACHER
Reports to: Principal
Dept./School: Assigned Campus
Wage/Hour Status: Exempt
Date Revised: April 17, 2023

Primary Purpose

The Elementary Science, Technology Engineering and Mathematics (STEM) teacher will collaborate with colleagues to provide project based learning experiences for K-5th grade students. The STEM teacher's primary job will be to facilitate developmentally appropriate STEM learning activities, experiences and assessments to foster intellectual, physical and social growth, targeting Texas Essentials and Knowledge Skills (TEKS).

QUALIFICATIONS

Education/Certification

Bachelor's degree from accredited university
Valid Texas teaching certificate for elementary education
Must obtain GT Certification (30 hours)
Preferred additional subject area certifications: 4-8 Mathematics/Science
Ideal candidate will have experience with STEM/project based learning

Special Knowledge/Skills

Experience facilitating "hands-on" experiments and projects that allow students to learn by doing and exploring
Excellent organization skills and an ability to coordinate multiple tasks and activities
Excellent teamwork skills and an ability to collaborate closely with colleagues, parents, and students
Excellent work ethic, positive attitude, flexibility and willingness to perform tasks assigned
Passion for STEM education and a commitment to fostering curiosity, creativity, and critical thinking in young learners.

Demonstrated competency in the core academic subject area(s)
General knowledge of curriculum and instruction
Ability to instruct students and manage their behavior
Strong organizational, communication and interpersonal skills
Must have satisfactory outcome of fingerprinting check prior to starting employment. Non-refundable fee paid by applicant

Experience

At least three years of classroom teaching preferred

MAJOR RESPONSIBILITIES AND DUTIES

Instructional Strategies

1. Teach approved curriculum with clear objectives/targets for learning.
2. Develop and implement lesson plans that fulfill the requirements of the district's curriculum program and explicitly teach/facilitate STEM instruction through project-based learning methods.
3. Facilitate "hands-on" experiments and projects that allow students to learn by doing and exploring.
4. Prepare lessons that reflect accommodations for differences in student learning styles.
5. Present subject matter according to guidelines established by TEA, board policies and administrative regulations.
6. Create a learning environment based on the 4 C's- communication, collaboration, critical thinking, and creativity.
7. Work cooperatively with administrators, cluster leaders, department coordinators, content specialists and other staff as needed on curriculum development.

8. Work cooperatively with special education teachers to modify curricula as needed for special education students according to guidelines established in Individual Education Plans (IEP).
9. Conduct ongoing assessment of student achievement through formal and informal testing.
10. Use technology to strengthen the teaching/learning process.

Classroom Management and Organization

11. Create a positive classroom environment that is conducive to learning and appropriate for the physical, social and emotional development of students.
12. Manage student behavior in accordance with Student Code of Conduct and student handbook.
13. Take all necessary and reasonable precautions to protect students, equipment, materials and facilities.
14. Assist in selection of culturally responsive books, equipment and other instructional materials to reinforce language acquisition.
15. Compile, maintain and file all physical and computerized reports, records and other documents required.

Communication

16. Establish and maintain open communication by conducting conferences with parents, students, principals and teachers.
17. Maintain a professional relationship with colleagues, students, parents and community members.
18. Use effective communication skills to present information accurately and clearly.

Professional Growth and Development

19. Participate in ongoing staff development activities to improve job related skills.
20. Desire to seek ongoing professional development on STEM related topics.
21. Assume responsibility for meeting his/her course and school-wide student performance goals based on STEM core beliefs and student growth.
22. Attend and participate in faculty meetings and serve on staff committees as required.

Other

23. Maintain confidentiality of information.
24. Organize and participate in STEM-related extracurricular activities, events, and competitions.
25. Perform other duties as assigned.

EQUIPMENT USED

Personal or laptop computer, printer, copier, fax machine, calculator, telephone, electronic mobile devices, projector, video display monitor and related coaching equipment.

WORKING CONDITIONS

Mental Demands/Physical Demands/Environmental Factors

Maintain emotional control under stress. Frequent standing, stooping, bending, kneeling, pushing and pulling. Move small stacks of textbooks, media equipment, desks and other classroom or adaptive equipment.

The foregoing statements describe the general purpose and responsibilities assigned to this job and are not an exhaustive list of all responsibilities and duties that may be assigned or skills that may be required.

Reviewed by: _____ **Date:** _____

Approved by: _____ **Date:** _____