



**Position:** Secondary Teacher

**Assignment:** Secondary Teacher- STEM Academy

**Wage/Hour Status:** Exempt

**Reports to:** Principal

**Pay Grade:** TC100/187 days

**Dept./School:** Assigned Campus

**Date Revised:** Spring 2024

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**Primary Purpose:**

Utilizes a deep knowledge of inquiry instruction, with the integration of Science, Technology, Engineering and Math (STEM) techniques. Designs and implements integrated STEM lessons across the curriculum to include appropriate STEM pedagogy that is aligned with state standards. Analyzes data from multiple sources to design, implement, monitor, and evaluate successful STEM initiatives and curriculum. Establishes trust, opens lines of communication, and cultivates an atmosphere of collegial collaboration and problem solving with peers. Maintains a learning environment infused with STEM practices, which serves as a model classroom. Stays current with research-based instructional methods that improve student learning and achievement. Collaborates with LISD community partners to bring authentic and real-world learning to student experiences that also expose students to career opportunities.

**Qualifications:**

**Education/Certification:**

- Valid Texas teaching certificate for subject and level assigned
- Bachelor's Degree from accredited university
- STEM Teaching credentials preferred
- National STEM certification preferred and/or required within one year of start date

**Special Knowledge/Skills/Experience:**

- Minimum 3 years teaching experience or previous STEM Academy experience is preferred
- Demonstrated exemplary teaching ability as indicated by student achievement, supervisor, and peer recommendations.
- Demonstrated knowledge and expertise in instructional techniques and methodologies in Science, Technology, Engineering and Math.
- Demonstrated ability to use data management systems
- Thorough understanding of the use of assessment for differentiating instruction and monitoring student progress
- Knowledge of Texas Essential Knowledge and Skills for Math, Science, Social Studies, Language Arts and/or Technology
- Knowledge of English Language Proficiency Standards
- Evidence of good interpersonal skills with colleagues
- Background and experience in STEM instruction
- Ability to integrate multiple facets of technology to enhance learning and instruction.
- Excellent communication, organization, and attention to detail skills
- Thorough understanding of Math, Science, and Engineering instruction and assessment alignment

### **Major Responsibilities and Duties:**

- Develop and implement lesson plans that fulfill the requirements of the district's STEM Science curriculum and show written evidence of preparation as required.
- Maintain fidelity to the district's vision for the LISD STEM Academies by being a positive voice for the program and working with community partners to enhance student experience.
- Prepare lessons that reflect accommodations for differences in student learning styles
- Present subject matter according to guidelines as established by Texas Education Agency, board policies, and administrative regulations.
- Plan and use appropriate instructional and learning strategies, activities, materials, and equipment that reflect understanding of the learning styles and needs of students.
- Conduct assessment of student learning styles and use results to plan instructional activities.
- Work cooperatively with special education teachers to modify curricula as needed for special education students according to guidelines in Individual Education Plans (IEPs).
- Work with other members of staff to determine instructional goals, objectives, and methods according to district requirements.
- Plan and supervise assignments of teacher aide(s) and volunteer(s).
- Use technology to strengthen the teaching/learning process.
- Help students analyze and improve study methods and habits
- Conduct ongoing assessment of student achievement through formal and informal testing.
- Assume responsibility for extracurricular activities as assigned. Sponsor outside activities approved by the campus principal.
- Be a positive role model for students, support the mission of the school district and mission of the LISD STEM Academy.
- Create a safe classroom environment and organization system that allows students easy access to hands-on materials and manipulatives critical to the STEM learning environment.
- Create a classroom environment conducive to learning and appropriate for the physical, social, and emotional development of students.
- Manage student behavior in accordance with Student Code of Conduct and student handbook.
- Take all necessary and reasonable precautions to protect students, equipment, materials, and facilities
- Assist in selection of books, equipment, and other instructional materials
- Establish and maintain open communication by conducting conferences with parents, students, principals, and teachers
- Maintain professional relationship with colleagues, students, parents, and community members.
- Use effective communication skills to present information accurately and clearly.
- Participate in staff development activities to improve job-related skills.
- Participate in staff development aligned to the vision and mission of the LISD STEM Academy
- Keep informed of and comply with state, district, and school regulations and policies for classroom teachers.
- Compile, maintain, and file all physical and computerized reports, records, and other documents required.
- Attend and participate in faculty meetings and serve on staff committees as required.

### **Mental Demands/Physical Demands/Environmental Factors:**

- Personal computer and peripherals; standard instructional equipment; *[P.E. teachers: automated external defibrillator (AED)]*
- Prolonged standing; frequent kneeling/squatting, bending/stooping, pushing/pulling, and twisting
- Frequent walking
- Regular light lifting and carrying (less than 15 pounds); may lift and move textbooks and classroom equipment

- Work inside, may work outside; regular exposure to noise
- Maintain emotional control under stress; work prolonged or irregular hours

**OTHER:** All employees are to follow district safety protocols and emergency procedures.

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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. This position is an in-person job and is to be performed at the location specified. It does not qualify for remote work or work from home status.

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Signature

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Date

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Print Name