**Murfreesboro City Schools**

**STEM Teacher**

**School Personnel**

**Est. 04-22**

**CREDENTIALS:** Holds valid Tennessee teaching license with appropriate endorsements for services to children pre-school through sixth grade.

**OTHER QUALIFICATIONS**:

1. Deep understanding of TSIN and STEM Engineering Design Process.

2. Experience in delivering professional development to teachers.

3. Evidence of at least three (3) years of exemplary classroom teaching experience.

4. Excellent communication skills.

5. A proven track record in the use of a rich array of instructional methods, the analysis and use of data and technology to improve instruction, and the ability to build professional relationships, solve problems, and plan collaboratively.

6. Evidence of productive experience with problem-based learning.

7. Evidence of planning, organization, and time management skills that will bring structure and accountability to the position.

8. Proven ability to apply science and/or math content knowledge, formative assessment, and technology integration at a high level.

9. Deep understanding of student learning theory, brain-based learning, and differentiated instruction.

10. Proven ability to collaborate with teachers regarding student learning.

11. Desire to continue learning “what works” in classroom instruction.

**PURPOSE OF JOB**:

Under the direction of the school administration, this position is responsible for implementing the STEM program at the school and assisting with the STEM accreditation process each year. This position is also responsible for collaborating with teachers in promoting interdisciplinary STEM activities into the core curriculum.

**PHYSICAL DEMANDS:** Must be able to see, hear, and move quickly enough to provide for the safety and instructional needs of children. Must be able to articulate clearly. Must be physically active and interactive throughout the school day (i.e., be able to stand for extended periods of time, stoop, bend, do light lifting, push, pull, step, and have good finger dexterity). Must have emotional coping skills appropriate for the management of student behavior. Must tolerate environmental smells and substances commonly associated with children and educational institutions. The person in this position may be exposed to bodily fluids and therefore need to use universal precautions. Must be able to lift students and attend to the personal needs of children and infants while in school, including toileting.

**ESSENTIAL JOB FUNCTIONS**:

1. Delivers STEM-oriented instruction through project-based learning methods in grades K-6th.

2. Attends professional development and training related to STEM programs and methodologies, staying abreast of current research.

3. Employs a variety of instructional techniques, instructional media, and performance assessments, which guide the learning process toward curriculum goals and student learning.

4. Uses technology to promote learning, creativity, and collaboration.

5. Develops, organizes, and documents STEM planning, implementation, and artifacts for the STEM accreditation process.

6. Works directly with school administrators and staff in the development, implementation, and evaluation of STEM initiatives and curriculum.

7. Organizes, develops, and coordinates special STEM events/activities.

8. Coaches teachers on STEM initiatives and instructional best practices in the STEM areas.

9. Serves as liaison to prospective or selected STEM vendors, to determine the best resources, options and innovations that will optimize the learning experience for students and staff.

10. Initiates new programs that support the STEM vision.

11. Shares STEM events and activities through social media, such as Facebook, Twitter and School Dojo.

12. Follows the District’s job description for teacher.

13. Other duties as assigned.

**STAFF RELATIONSHIP:** Reports directly to the School Principal

**TERMS OF EMPLOYMENT:** 200 days. Local rate for salary and benefits negotiated annually by Board and Association. Exempt.