



Gridley Unified School District

POSITION DESCRIPTION

Job Title:	STEM Technology Teacher	Work Year:	183 Days
Reports To:	Principal	Salary Range	Certificated Salary Schedule

Primary Function:

Major Responsibilities and Duties:

The duties and responsibilities of the STEM Technology Teacher involve instruction directly related to STEM and computer science in our Innovation/Maker Lab. Related duties shall be those inspired by the ISTE Standards and those assigned by the Principal. The STEM Technology Teacher is responsible for performing such other duties as the Principal may delegate.

Instruction and Integration

The STEM Technology Teacher shall:

1. Demonstrate the ability to model, deliver, and craft rich student-centered learning experiences around Science, Technology, Engineering, Arts, and Math.
2. Demonstrate the ability to create and implement strategies for weaving STEM experiences into multi-disciplinary curricula from grades 2 through 5.
3. Work in partnership with teachers and staff, modeling consistent effective teaching with technology, engagement, lesson plan design, use of technology, STEM and online tools.
4. Demonstrate fundamental knowledge of the connection between technology, computer science, and other fields of study.
5. Coordinate and collaborate with staff, using effective management of calendars, contacts, meeting times, and show flexibility with making appointments for teaching collaboration.
6. Understand and be able to design, develop, assess, and manage STEM learning experiences.

Digital Age Learning Environments

The STEM Technology Teacher shall:

1. Demonstrate knowledge of selection, installation, management, and maintenance of the infrastructure in a classroom setting. This can be devices, online learning environments, web tools, STEM tools, and more.
2. Use flexibility and insight into creating classroom learning spaces. Knowledge of popular learning spaces theories is helpful.
3. Develop curricular plans and teaching aids, such as a blog, wiki, or other online resource. The STEM Technology Teacher integrates these across subject and content areas.
4. Implement information access and delivery resources in schools to support the curriculum.

Leadership and Professional Growth

The STEM Technology Teacher shall:

1. Craft and model a positive digital footprint, with resources, links, posts, and tools for teacher and peer engagement. Share, and share often.
2. Identify and apply educational and technology-related research, the psychology of learning, and instructional design principles in guiding use of technology in education.
3. Identify, implement, and investigate software in both classroom and administrative environments.
4. The STEM Technology Teacher will identify resources, plan, and design staff development activities to support professional growth in learning technologies.

5. Participate in professional development experiences that allow him or her to observe, evaluate, and apply the use of technology to support instruction.
6. Nurture and grow a Personal Learning Network, using social tools such as Twitter, Google+, and stay active in professional communities such as ISTE (International Society for Technology Education).

Digital Citizenship

The STEM Technology Teacher shall:

1. Model positive and sound digital citizenship skills consistently and without bias among students and teachers.
2. Use up-to-date research and search methods, modeling efficient search strategies and working with staff and teachers to create a consistent digital citizenship message for the entire school.
3. Consistently and creatively promote a positive digital citizenship message through publishing to online learning environments using various forms of media (blog, video, audio, etc.).

Preferred Qualifications

- Degree from an accredited college/university.
- California Multiple Subject Credential with authorization to instruct English Language Learners or equivalent.
- Expert level of technology and 21st century learning understanding and application.
- Deep knowledge of content standards, effective instructional strategies, and assessment driven instruction.
- Strong Google Apps for Education skills (Docs, Sheets, Slides, Sites, etc).
- Experience (or familiarity with) tools such as, but not limited to: 3D printing, autocad, Makey-Makey, Code.org, Sphero, BeeBot, Parrot MiniDrone, for examples.
- Highly effective communication, listening, collaboration, and interpersonal skills.
- Demonstrates experience with use of various educational technology platforms.
- Ability to design and deliver quality professional development for teachers and administrators.
- Effective written, verbal, and technology based communication skills.

Core Competencies:

In addition to the tasks outlined above, it is the responsibility of the STEM Technology Teacher to:

- Contribute to a harmonious school atmosphere by working cooperatively with all colleagues.
- Respect the confidentiality of private information relating to students, colleagues and the operations of the school.
- Demonstrate responsibility and punctuality.
- Display flexibility in responding to new situations and expectations, a positive attitude and a helpful, non-judgmental demeanor.
- Show willingness to consider and implement suggestions for improvement.

BOARD APPROVAL:

May 4, 2016