

## **Certified Salary Schedule**

FLSA: Exempt

Revised: 7/16

# **ELEMENTARY STEM TEACHER**

## **REQUIRED QUALIFICATIONS**

### **A. REQUIRED**

- Bachelor's degree from an accredited college or university
- Valid Arizona teaching certificate
- Must have demonstrated content expertise in one or more of the following: Language Arts, Reading, Math, Science, and Social Studies, and the ability to create STEM focused units of instruction in an interdisciplinary/integrated manner
- Any equivalent combination of training, education or experience that meets the minimum qualifications and state certification requirements

### **B. DESIRED**

- Background in math, science, engineering, or technology by education or training
- 4<sup>th</sup> and 5<sup>th</sup> grade teachers possess a middle school math and/or science endorsement

## **SUMMARY**

Develops and implements a curriculum program consistent with district educational goals and objectives. Develops a strong STEM program for students, utilizing 21<sup>st</sup> Century skills and integrated curriculum.

**Reports to:** Principal

## **ESSENTIAL FUNCTIONS**

- Utilizes instructional practices required to implement STEM concepts.
- Supports the critical role science instruction occupies in the STEM curriculum.
- Integrates engineering design concepts into instruction as application of math and science in a project-based, problem solving environment.
- Utilizes appropriate technology in both teaching and learning.
- Implements the Arizona Standards in math.
- Implements the instructional shifts necessary to implement the mathematics standards.
- Demonstrates an understanding of the role of the teacher leader in implementing the mathematics core standards.
- Infuses STEM learning across the curriculum.
- Focuses on a student-centered learning environment that supports success in all content areas.

- Observes and monitors students' behavior in the classroom, playground, field-trips, lunchroom, library, school buses and other areas.
- Establishes, maintains and promotes a classroom atmosphere which ensures the emotional and physical safety and well-being of students and emphasizes mutual respect, self-worth, self-discipline, cooperation, consideration and responsibility.
- Creates and utilizes strong connections with parent and community partners.
- Assesses student needs and develops, implements, and evaluates daily STEM lesson plans for students, to include scheduled activities and project based learning materials. Modifies instruction of program to meet the needs of each child.
- Plans, organizes and displays classroom materials, space and time appropriate to curricular activities.
- Utilizes and implements classroom management techniques to maintain organization, orderliness, student safety, and a productive learning environment. Utilizes positive reinforcement to maximize desired behavior and educational outcomes.
- Plans instruction to achieve specific objectives based upon student need and established standards. Implements engaging instructional techniques to encourage and motivate students.
- Evaluates student written, oral, and media produced products which include assignments and tests.
- Analyzes and evaluates student progress and course curriculum utilizing rubrics that are known to the learners.
- Evaluates student performance regarding achievements in curriculum and activities and makes necessary provisions to meet learning needs. Shares information regarding methods of evaluation utilized in the classroom with parents and students.
- Informs parents of student progress. Advises parents of instructional methods that may assist students. Informs parents of school activities.
- Participates as a member of a collaborative instructional team to promote learning activities for students that is consistent with district and school education objectives and goals.
- Develops business, community, and post-secondary partnerships that result in frequent involvement from those resources in STEM instructional programs in their classroom.
- Manages a project based learning environment.
- Coordinates events that allow students to display their work and demonstrate their skills.
- Possesses strong presentation skills (including using a variety of technology).
- Notifies site administrator of the special needs of students who display characteristics which vary from the norm in terms of acceleration and remedial issues. Collaborates with specialists to assist students.
- Monitor the activities of a teacher assistant and classroom volunteers, if appropriate.
- Orders classroom supplies and instructional materials.
- Exhibits patience, courtesy and tact when dealing with others.
- Promotes and supports district-wide educational advancement in 21<sup>st</sup> Century Skills.
- Integrates knowledge and skills that are relevant to the 21<sup>st</sup> Century.
- Performs other related duties as assigned.

## **MENTAL AND PHYSICAL REQUIREMENTS**

- Ability to instruct, present, convey, discuss and exchange information.
- Ability to detect, distinguish, identify, recognize, inspect and discern.
- Ability to move about the classroom and the campus.
- Ability to develop, implement and evaluate plans.
- Ability to manage classroom organization, time, space and behavior.
- Ability to perform functions from written and oral instructions and from observing/listening to others.
- Ability to sit for extended periods of time.
- Ability to lift, reach, stoop, bend, twist and to hold and grasp objects.
- Ability to use a blackboard, easel, bulletin boards, and chalk and markers to print.
- Ability to use office and instructional equipment such as telephones, computers and other forms of technology.
- Ability to withstand adverse weather conditions if required to perform duties outdoors.
- Ability to communicate effectively with the public, employees, children and parents.
- Ability to exercise judgment in accordance with established procedures.
- Ability to work in small, cramped or confined spaces.
- Ability to work alone and as part of a team.
- Ability to perform tasks requiring manual dexterity, such as setting up and operating equipment.