

TITLE: STEM Teacher

SELECTION: Appointed by the Board after consideration of the recommendation of the Superintendent.

- QUALIFICATIONS:
- a. IL PEL with Science or Math Endorsement.
 - b. Five or more years of successful teaching experience in STEM related areas.
 - c. Strong classroom management skills.
 - d. Comprehensive knowledge about Next Generation Science Standards and Illinois Learning Standards for Mathematics required
 - e. Proven ability to apply science and/or math content knowledge, formative assessment, and technology integration at a high level
 - f. Evidence of productive experience with problem-based learning
 - g. Deep understanding of differentiated instruction
 - h. 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
 - i. Health examination for new employees part-time or fulltime:
 1. Chapter 122 Article 34-5 of the Illinois School Code mandates that School Boards shall require of new employees evidence of physical fitness to perform duties assigned and freedom from communicable disease, including tuberculosis. Such evidence shall consist of a physical examination and a tuberculin skin test and, if appropriate, an x-ray. The cost of such examination shall rest with the employee.
 2. Prior to employment, all non-certified personnel must have a physical examination.

REPORTS TO: Principal

JOB GOAL: Implement the district's adopted STEM program and collaborate with teachers in promoting interdisciplinary STEM activities into the core curriculum.

The STEM Teacher is responsible for the following:

1. Deliver STEM-oriented instruction through project-based learning methods.
2. Assist in the development of STEM curriculum aligned with career pathways that ensure integration of academic and career technical education with 21st century skills.
3. Provide plans to implement STEM curricula into existing courses or develop new courses.

4. Work directly with school administrators and staff in the development, implementation, and evaluation of STEM initiatives and activities.
5. Analyze current best practices in STEM education.
6. Share best practices in STEM education with colleagues.
7. Stay abreast of current research and attend professional development and training related to STEM programs and methodologies,
8. Maintain current knowledge of district, state and federal laws, regulations and policies affecting STEM education.
9. Employ a variety of instructional techniques, instructional media, and performance assessments, which guide the learning process toward curriculum goals and student learning.
10. Use technology to promote learning, creativity, and collaboration.
11. Maintain an inventory of science materials; maintains organization of STEM Lab; and annually orders replacement materials through the Building Principal.
12. Assist with data collection and analysis for district STEM-related grants.
13. Assist with other STEM-related duties, as requested by Building Principal.

TERMS OF EMPLOYMENT:

10 Months - Salary per HEA Contract.

EVALUATION:

Evaluated by the Building Principal.

Revised April 10, 2018