



CENTRAL UNION SCHOOL DISTRICT

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STEM LAB teacher general overview

In our efforts to refine the K-8 experience for the 21st Century learner, under the direction of the Assistant Superintendent of Educational Services/HR and the site principals, the STEM Lab teacher, will support the K-8 curriculum in the areas of Science, Technology, Engineering, and Mathematics through project based and hands on learning activities. The goal of the STEM lab is to provide engaging, project-based lessons and learning opportunities to students with the integration across multiple content areas. The STEM Lab teacher will also develop and lead digital learning such as computer programming, robotics, 3D printing, maker spaces, and other digital STEM based learning opportunities.

A successful STEM Lab teacher will:

- Foster the research, development and prototype innovation of maker activities and opportunities
- Create an environment of curiosity, creativity, and innovation in learning for students
- Plan innovative and novel lessons in informal settings to assigned classes
- Develop an interest in project-based learning and understanding of STEM principles
- Maintain an entrepreneurial spirit, flexibility, initiative and desire to work collaboratively with colleagues and students
- Have knowledge of positive approaches to classroom management
- Deliver STEM-oriented instruction through project-based learning methods.
- Employ a wide variety of instructional techniques and instructional media, which guides the learning process in the STEM environment.
- Use technology to promote learning, creativity, and collaboration.
- Work directly with school administrators and staff in the development, implementation, and evaluation of STEM initiatives and curriculum.
- Organize, develop, and coordinate STEM events/activities
- Initiate new and innovative programs that support the STEM vision.
- Follow the District's job description for teacher