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Springfield Middle Magnet Program for STEM

Mrs. Jennifer Ruppenthal, Principal

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Facebook: Springfield Middle School

Website: <https://www.springfieldmiddle.com>

Program Description:

Magnet students will connect the study of technology to the areas of math and science as they enhance the problem-solving skills needed for success in S.T.E.M. (science, technology, engineering, and math) related fields. Students with aptitudes for/interests in math, science, and technology will enjoy this program. Magnet program students take rigorous math and science classes that infuse the magnet theme into the curriculum. This coursework moves at an accelerated pace in terms of breadth and/or depth. Students are also enrolled in a technology class, take a specialized research co-curricular course and are required to take Introduction to Engineering Design in the eighth grade. Students have regular access to digital camera labs, interactive whiteboards, laptop computers, and probe-ware that will enhance assignment/project production and new learning. Students are expected to complete summer assignments, which allow magnet teachers to increase the depth of unit exploration throughout the school year. Past activities have included field experiences, a campus-wide engineering day, and guest speakers.

Fast Facts:

1. Technology: Flip Cams, 3-D Printer and interactive whiteboard
2. STEAM-focused instruction permits integration of science, technology, engineering, the arts, and mathematics
3. Introduction to Engineering Design: Students earn high school credit before leaving middle school
4. Themes: 6th: Exploration, 7th: Interconnectivity, 8th: Alternative & Renewable Energy
5. Students complete Honors Algebra and Honors Geometry courses for high school credit

Application Deadline: December 1, 2018



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