

Important Dates

December 3rd—January 11th :

STEM application window

January 11, 2019 4:00 pm:

Final day to submit STEM applications to Student Services office

January 29th-March 1, 2018:

STEM Academy application reviews and selection process

March 8, 2018:

STEM applicants notified of selection

March 22, 2018 3pm:

Last day for parents to respond to STEM Academy invitation

April/May: Required STEM

Parent/Learner meetings 6:30-7:30 pm at the Jerry Knight STEM Academy.

Possible Clubs and Activities

Competitive Clubs/Activities:

Future City Engineering Challenge

Academic UIL

Debate

Robotics/First Lego League

Non-Competitive Activities:

Region XI STEAM Carnival

Bridge Camp

Engineering Week

Hour of Code

Field Trips

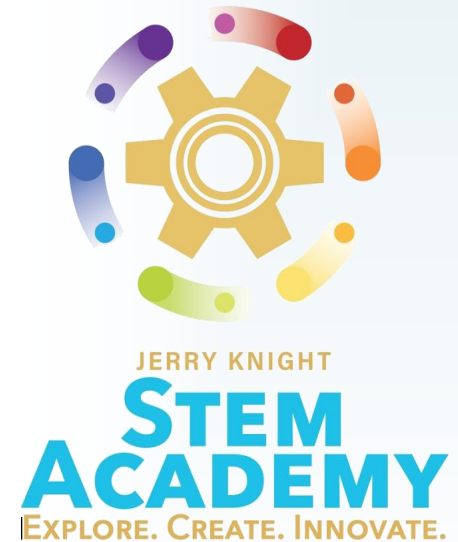
Jerry Knight STEM Academy

1524 Walnut Creek Drive
Mansfield, Texas 76063

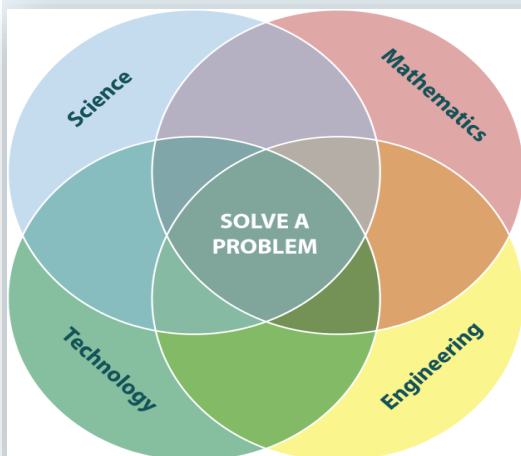
Phone: 817-299-5090
E-mail: stem@misdmail.org

Mission:

To give learners voice and choice to explore, create, and innovate within real world experiences.



The Jerry Knight STEM Academy: a place to imagine, explore, and create



Jerry Knight STEM Academy

The Jerry Knight STEM Academy is an academic program located at Wester Middle School. The academy is designed to provide a rigorous and focused course of study emphasizing STEM (Science, Technology, Engineering, and Math). Coursework is advanced within a Pre-AP concentration and integrates project/problem based learning and Makerspace, open learning environments. The learning environment at the academy gives learners “voice and choice” to create, invent, tinker, and explore with the result being high quality and authentic products. Learners will use 21st century skills; including collaboration, communication, creative thinking and critical thinking,

Why STEM?

STEM is engaging.

- ◇ Learners are required to take knowledge and produce technology/ prototypes to help solve real world problems or engineering challenges.

STEM is non-traditional education.

- ◇ STEM learners are immersed in a flexible learning environment that allows them to work in collaborative teams.

STEM is 21st century.

- ◇ STEM relies on the use and growth of 21st century skills for the 21st century learner.

STEM promotes learner ownership.

- ◇ STEM provides an approach to education that gives learners choice and voice.

STEM embraces growth mindset.

- ◇ STEM learners grow as they embrace set-backs as part of the design process.

Who is successful at STEM?

The Jerry Knight STEM Academy is seeking learners who enjoy collaborating in a problem based learning environment to design innovative and creative solutions in advanced STEM related content.

Applicants should be current 5th grade learners who reside in the MISD boundaries.

Applicants should be interested in a nontraditional learning environment focused on problem solving within real world and global experiences.

In addition to 5th grade Math and Science classroom grades, below are target measures for applicants.

