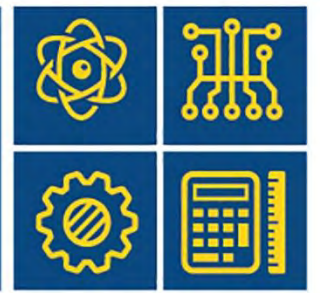


# M STEM ACADEMY



SCIENCE · TECHNOLOGY · ENGINEERING · MATHEMATICS

## Summer Learning FUN! In conjunction with Region 5 STEM Center

### Topics \*

For Students entering 1<sup>st</sup> – 8<sup>th</sup> Grades

#### Engineering Equipment

- Hoist, Crane, Gears
- Wheel Drives, Axles
- Mechanical Hammer
- Windmill, Fork Lift
- Levers, Pulleys
- Plant Pollination
- Motors

#### Bridge Design

Lego WeDo 2.0 Robotics

MagLev Systems

Bioplastics

Recycled Material

Mechanical Timers

Rockets and Rovers

Earthquakes

Oil Spill Cleaning

Insulated Homes

Vertical Farms

Play Dough Chemistry

Plant Packages

Water Resources

\* Selected list of topics, not all-inclusive

Experience the human-made world through technologies we use every day. See how engineering makes science and math relevant. Explore careers in STEM fields.



June 7 – Aug. 6, 2021

7:30 a.m. – 5:30 p.m.

Drew Hall,  
McNeese Campus



337-562-4137



#### Activities

Projects

Research

Computer Time

Problem Solving

Career Exploration

WeDo Lego Robotics

Gym, Pool Time

Art, Reading

Register at [www.mcneese.edu/STEMacademy](http://www.mcneese.edu/STEMacademy)



## Our Sponsors



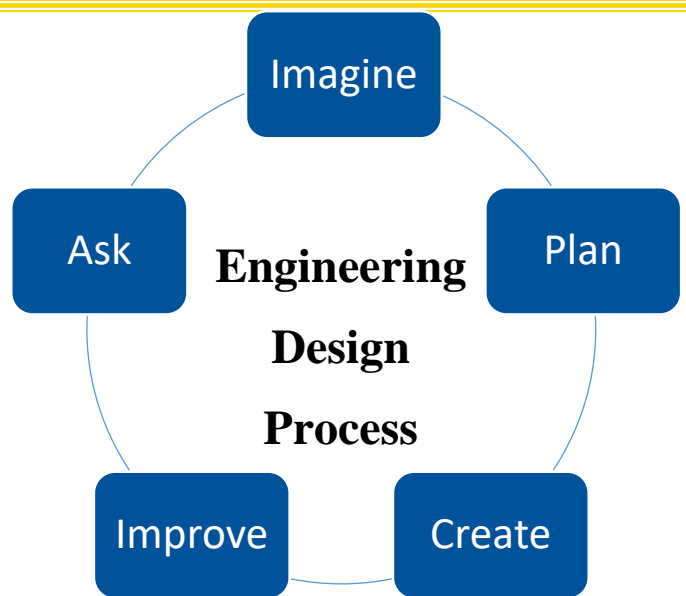
- One-time registration fee of \$85
- 5 T-shirts, notebook provided
- \$200 weekly (less than \$5 per hour)
- Bring your own lunch and snacks (No refrigeration or heating)
- Students less than 4 foot in height and/or unable to pass a swim test are required to bring an American Red Cross certified swim vest.

**Project Based**

**Hands-on Activities**

**Design, Create, Build,**

**Innovate, Explore Careers**



**Mission Statement:** The **McNeese STEM Academy** seeks to inspire and motivate young minds to explore the world around them and imagine, create, test and improve economically attractive solutions that solve everyday problems. The Academy uses engineering applications as the means to teach students critical thinking, problem solving and innovation principles through fun, imaginative, hands-on exploratory activities that integrate math and science content. The classroom experience is reinforced during field trips where participants are exposed to real-life solutions of problems investigated in the classroom. Emphasis is given in career exploration and oral/verbal communication of the solutions created by the participants.