ELEMENTARY AND MIDDLE SCHOOL CAMPS

Missouri S&T | Kummer Center for STEM Education

Is It Alive?
DAY CAMP

June 3–7, 2024
Rising 4th–6th graders
Cost: $350
Campers will play with insects, look at nature, and investigate bugs as the next generation of entomologists.

Robotics Camp
June 4–6, 2024
Rising 7th–10th graders
Cost: $450
Invent, design, build and program robots while learning the basic structure of computer programming.

Movie Makers
EVENING CAMP

June 24–28, 2024
Rising 5th–12th graders
Cost: $400
Ready. Set. Action! Learn what it takes to work with a team and create a story from concept to the big screen!

Amusement Park Design Camp
July 10–12, 2024
Rising 6th–8th graders
Cost: $600
Use engineering physics, 3D printing, CAD, and hands-on models to develop your part of our own camp amusement park.

Viral Detectives
July 10–12, 2024
Rising 5th–8th graders
Cost: $50 (application required)
Come be a viral detective and investigate a mysterious disease.

Can You Build It Green **NEW**
July 15–17, 2024
Rising 5th–8th graders
Cost: $50 (application required)
Environmentally conscious youth turn visions of a greener future into reality; building sustainable design concepts and eco-friendly prototypes to make a positive impact on the world.
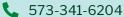
Aerospace Camp
July 16–18
Rising 5th–8th graders
Cost: $450
Experience aeronautics and space flight from a ground-up perspective, as you learn about the history of flight, astronomy and space exploration.
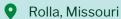
A limited number of need-based scholarships are available. Register at **summer.mst.edu** for details.

573-341-6204
stemcenter@mst.edu
Rolla, Missouri

A SUMMER TO REMEMBER

Spark your imagination and have fun at one of our interactive STEM summer camps for students in grades 4–12 and beyond.

SUMMER.MST.EDU

HIGH SCHOOL CAMPS

Explore what your future could look like.

Innovations in STEM Camp (iSTEM)
Session I: June 2–5, 2024
Session II: July 7–10, 2024
Rising 10th–12th graders
Cost: $700
Explore careers in science, engineering, mathematics and technology with demonstrations and activities related to each discipline.

Engineering with Biology **NEW**
June 2–6, 2024
Rising 9th–12th graders
Cost: $600
Campers will explore how living organisms can be designed and modified to produce valuable chemicals that might be used to solve some of the grand challenges of our lifetime.

Nuclear Engineering Camp
June 2–7, 2024
Rising 11th–12th graders, graduating seniors
Cost: $800
Let us introduce you to the fascinating world of nuclear power and the outstanding opportunities in nuclear engineering.

Explosives Camp
Session 1: June 2–7, 2024
Session 2: June 9–14, 2024
Rising 11th–12th graders (Ages 16+ only)
Cost: $1,450 (application required)
Fire in the hole! Experience our one-of-a-kind explosives camp.

Quantum Materials **NEW**
DAY CAMP
June 3–6, 2024
Rising 11th–12th graders
Cost: $495 (application required)
Uncover the secrets of symmetry, dive into the periodic table, and discover the fascinating world of atomic structures in this thrilling, hands-on and interactive camp of scientific discovery.

Robotics Camp
June 4–6, 2024
Rising 7th–10th graders
Cost: $450
Invent, design, build and program robots while learning the basic structure of computer programming.

Outdoor World: Urban vs Rural **NEW**
June 9–12, 2024
Rising 9th–12th graders
Cost: $700
Science, biology, environmental engineering and camping outdoors!

Jackling Introduction to Engineering
Session 1: June 9–13, 2024
Session 2: June 23–27, 2024
Session 3: July 7–11, 2024
Rising 10th–12th graders
Cost: $600
Discover and experience how engineers use their knowledge to turn ideas into reality.

Art in the Ozarks Camp
June 12–16, 2024
Rising 9th–12th graders
Cost: $650
Explore the beauty of the Ozarks using STEM-inspired, unique ways to photograph, write, and create multimedia art through natural discovery. This camp will be housed and take place at S&T's Ozark Field Station.

Mining the Mind **NEW**
June 23–27, 2024
Rising 9th–12th graders
Cost: $600
Campers will delve deeper into how the brain works. This camp provides campers with exposure to innovative research and a peek at different career paths in psychology.

Movie Makers
EVENING CAMP
June 24–28, 2024
Rising 5th–12th graders
Cost: $400
Ready. Set. Action! Learn what it takes to work with a team and create a story from concept to the big screen!

Discovering Chemistry
June 25–28, 2024
Rising 9th–12th graders
Cost: $750
Get hands on with atoms and molecules. Join us in the lab to do real chemistry that you can see, smell, touch ... and eat!

Future City: Electrifying Your Future **NEW**
July 7–11, 2024
Rising 9th graders
Cost: $600
Design a 100% electrically powered city with energy generated from sources that keeps citizens and the environment healthy and safe.

eSports Boot Camp **NEW**
July 14–17, 2024
Rising 9th–12th graders
Cost: $750
Whether you are a novice or a seasoned gamer, this is the perfect place to level up your skills, make new college-bound friends who share your passion, and embark on an unforgettable gaming adventure.

Space — The Final Frontier
July 14–17, 2024
Rising 10th–12th graders
Cost: $950
Design and build a small spacecraft and launch it on a high-altitude balloon to 100,000 feet, tour laboratories, and hear from aerospace engineering professors and students.

The Sound of Miners
July 17–21, 2024
Rising 9th–12th graders
Cost: $650 (application required)
Love music and STEM? You can do both! Rehearse and perform orchestra music with other campers interested in music, science, technology, engineering and mathematics.

ASM Exploring Materials in Your World Camp
July 21–25, 2024
Rising 11th–12th graders
Cost: Free (application required)
From advanced composites to nanoparticles, materials are all around us. Learn how engineers and scientists turn materials into things we use every day.

CyberMiner Camp
July 21–25, 2024
Rising 11th–12th graders, graduating seniors
Cost: $600
Learn about information visualization and big data, compete in an AI challenge, build and program robots, and so much more!

Leading for Tomorrow
July 22–26, 2024
Rising 11th–12th graders
Cost: $650
Participate in an intensive leadership experience designed to challenge your perspectives and stretch your comfort zone.

Mechanical Crash Course Camp
July 23–27, 2024
Rising 9th–12th graders
Cost: $950
Design an autonomous product and see a product's design cycle, from project definition to test.