

Kansas Academy of Mathematics and Science
SUMMER STEM SUMMIT 2023

FOR STUDENTS ENTERING 8TH, 9TH, 10TH GRADES

SUNDAY, JUNE 4 - TUESDAY, JUNE 6, 2023

AT FORT HAYS STATE UNIVERSITY

Work in teams, meet new friends, and perform exciting hands-on experiments that make science, technology, engineering, and math come alive. Enjoy all of the activities listed below.

Ready to be dazzled, challenged, and experience a few booms? Check out some of the best science demonstrations used in teaching. Can you survive the bed-of-nails?

Work as a local game warden attempting to solve the case of the poached whooping crane! Learn how insects can fight crime in the name of conservation, and practice molecular biology techniques to nail down the culprit. Collect data in the field and examine the findings in the lab to solve the mystery.

Perform experiments to approximate Pi and use hands-on and algebraic methods to prove the Pythagorean Theorem.

Are you ready for a challenge? Put your STEM knowledge to the test as you work with a team to crack codes, find clues, and solve puzzles in a race against the clock to "Break-out"!

Explore how the chemistry of cooking and chemistry of art are encountered in everyday life. Work with foods containing carbohydrates, proteins and lipids. Explore the chemistry of ink, perfumes and paper making.

Learn the science behind the purchasing decisions you make every day, and the impact they have on your friends, community, and around the world. Use fun, engaging exercises to illustrate the notion of behavior and free markets, you will not look at your next purchase the same!

See how research is leading to the science classroom of the future with 360 videos. Work with a team to capture nature in action with a 360 camera and see how this technology can explore the world!

Use computer aided design technologies, such as Autodesk Inventor and Autodesk Revit, to produce a one of a kind 3-Dimensional object. Learn how 3D Scanners and Virtual Reality will impact the Engineering Design World.

\$25 non-refundable fee for Kansas students (\$100 non-refundable fee for out of state students) includes 2 night stay in FHSU residence hall, meals, camp supplies, and camp t-shirt. Registration deadline April 15, 2023
Space is limited. For more information contact Ann Noble, annoble@fhsu.edu or 785-628-5449

KAMS Summer STEM Summit 2023 Registration

Please mail your \$25 (\$100 out of state) non-refundable registration fee payable to KAMS to: **KAMS
Attn: Ann Noble
600 Park Street
Hays, KS 67601**

Student Name: _____ Age: _____ Gender: _____

Mailing Address _____

City: _____ State: _____ Zip: _____

Food Allergies: _____

Parent/Guardian Name: _____

Parent/Guardian E-mail: _____

Parent/Guardian Phone: _____

Parent/Guardian Signature: _____

Student's grade during 2023-2024 academic year: (Please Circle) 8th Grade 9th Grade 10th Grade

T-shirt size (Please circle): S M L XL XXL