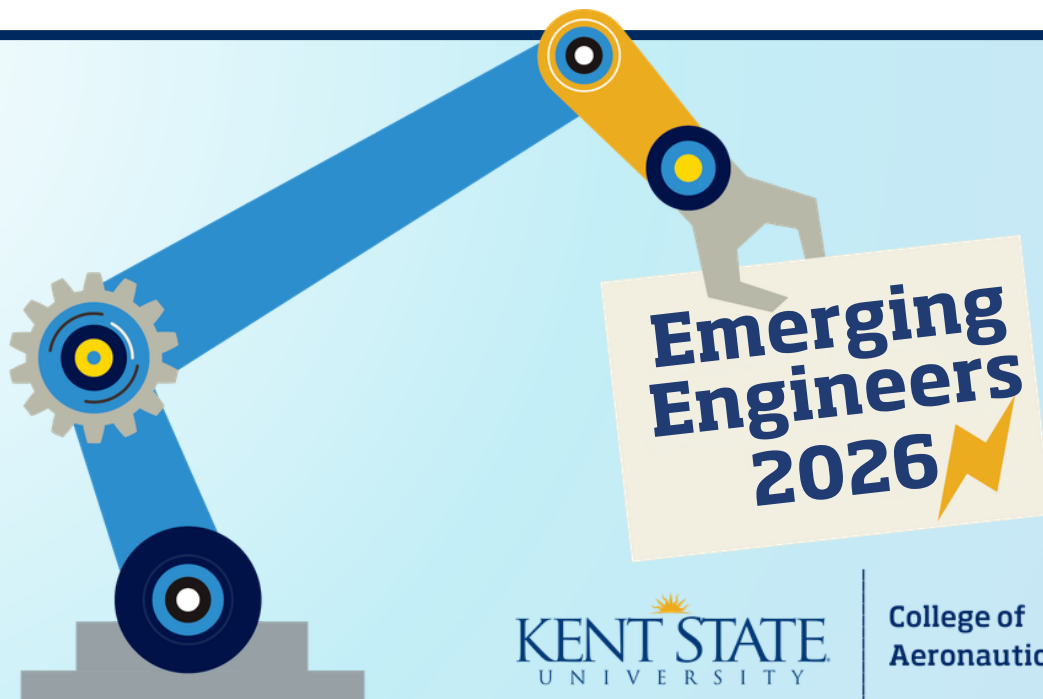




Mission Aerospace - Design for Flight!

This summer YOU become a problem-solving engineer!

Aerospace Engineering

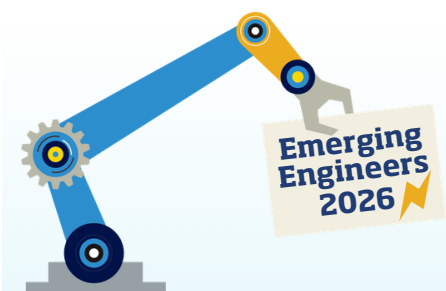
Students will take part in a three-day, hands-on engineering experience where they explore how engineers solve real-world problems across air, space, and technology systems. Through activities like building and launching rockets, programming robots for Mars challenges, exploring virtual reality environments, working with small satellites, and experiencing air traffic control simulations, students will see how different areas of engineering connect.

Along the way, they'll test ideas, make adjustments, and work in teams—just like engineers do. Each activity introduces key concepts such as forces and motion, systems thinking, coding, communication, and safety, helping students understand not just what engineers build, but how they think.

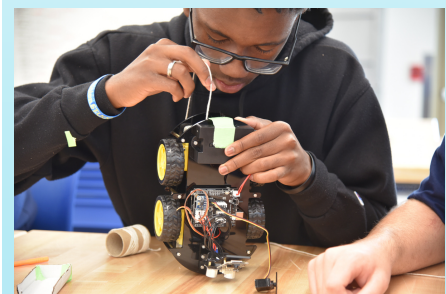
This experience is designed to spark curiosity, build confidence, and show students that engineering is about solving problems, trying new ideas, and improving the world around them.

DAY 1: MONDAY, JUNE 22

- 8:30 a.m.** Check-In and Ice Breaker
- 9 a.m.** Meet Your Camp Counselors
- 9:30 a.m.** Majors and Careers Overview | Dr. Maureen McFarland
- 10 a.m.** Mars Rover Activity
- 10:30 a.m.** Introduction to Ozobots, Color Codes, and Moon Phases Activity
- 11:15 a.m.** Lunch
- 12:30 p.m.** Engineering Design Process with Ozobots
- 1:30 p.m.** Introduction to Ozobot Editor
 - Ozobot Races
- 3:30 p.m.** Check-Out



KENT STATE UNIVERSITY | College of Aeronautics and Engineering



MIDDLE SCHOOL SCHEDULE OF EVENTS

DAY 2: TUESDAY, JUNE 23

- 8:30 a.m. Check-In and Ice Breaker
- 9 a.m. Group 1: CubeSats
Group 2: Build Rockets
- 11:15 a.m. Lunch
- 12:30 p.m. Group 1: Build Rockets
Group 2: CubeSats
- 2:30 p.m. Group 1: Launch Rockets
Group 2: Virtual Reality/Extended Reality
Group 3: Air Traffic Control Lab
- 3:30 p.m. Check-Out

DAY 3: WEDNESDAY, JUNE 24

Please wear your navy Emerging Engineer T-Shirt and closed toed shoes.
Comfortable footwear recommended.

- 8:30 a.m. Check-In and Ice Breaker
- 8:40 a.m. Group 1: Virtual Reality/Extended Reality
Group 2: Air Traffic Control Lab
Group 3: Launch Rockets
- 9:20 a.m. Group 1: Air Traffic Control Lab
Group 2: Launch Rockets
Group 3: Virtual Reality/Extended Reality
- 10 a.m. Camp Travel Day
- 3 p.m. Closing Ceremony
Parents are welcome and encouraged to attend
- 3:30 p.m. Check-Out | Timken Atrium

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