STEM DAY CAMP

DATE FEB. 21, 2026 | 8:30AM - 12:15PM
REPORT TIME: 8:30AM - 8:45AM
PICK UP TIME: 12:15PM - 12:30PM

LOCATION SINCLAIR COMMUNITY COLLEGE BUILDING 13 | DAYTON, OHIO

COST $99.00 | WITH COUPON: $89.00

SATURDAY, FEBRUARY 21, 2026 | STEM DAY CAMP

UNMANNED AERIAL SYSTEMS (UAS) AND MICROELECTRONICS IN AVIATION

MIDDLE SCHOOL STEM DAY CAMP FOR GRADES 6, 7, 8, AND 9

REGISTRATION DEADLINE: JANUARY 30, 2026
Use coupon code "EARLYBIRD" for a $10 discount until December 1

CLICK HERE TO REGISTER NOW

GENERAL DESCRIPTION

Are you ready to explore the exciting world of drones and unleash your inner engineer? Spend the day learning how Unmanned Aerial Systems (UAS) and microelectronics work together to power today's most advanced technologies. From assembling and flying a drone to suiting up for a cleanroom challenge and building your own circuit, this event connects innovation, engineering, and real-world STEM applications in an unforgettable hands-on experience!

WHAT YOU WILL RECEIVE:

All participants will receive a t-shirt, Circuit Project and so much more!

DISCOVER THE SCIENCE BEHIND DRONES AND ELECTRONICS!

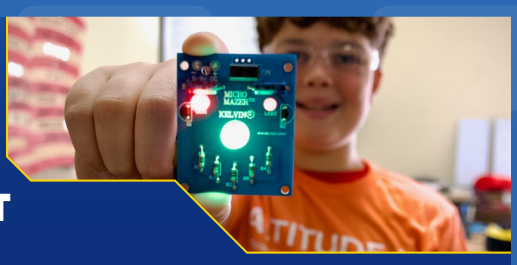
EXPLORE FOUR DIFFERENT HANDS-ON ACTIVITIES RELATED TO AVIATION AND AERONAUTICS:

MODULE 01. UAS BUILD

MODULE 02. UAS FLIGHT EXPERIENCE

MODULE 03. CLEANROOM CHALLENGE

MODULE 04. CIRCUIT BUILD



MODULE DESCRIPTIONS: ROTATIONS FOR FEB. 21 MIDDLE SCHOOL ONE-DAY CAMP AT SINCLAIR

MODULE 1 & 2: DRONE DESIGNERS (UAS BUILD & FLIGHT EXPERIENCE)

Assemble your own drone and explore how each component works together to achieve lift, balance, and control. Then, take to the skies in a real flight experience to test your creation and discover the science and engineering behind modern drone technology.

Take flight as a UAS Engineer!

DRONE DESIGNERS: BUILD, PROGRAM, AND FLY A UAS

MODULE 3: CLEANROOM CHALLENGE

Gear up like real engineers and scientists as you enter a simulated cleanroom environment. Take on a hands-on STEM challenge to see how precision, problem-solving, and teamwork are essential when designing and building microelectronics. This interactive experience gives students a glimpse into the high-tech environments where innovation takes shape.

Suit up and step into the world of microelectronics!

SUIT UP STEM! GEAR UP AND TACKLE HANDS-ON STEM CHALLENGES!

MODULE 4: WIRED FOR INNOVATION (CIRCUIT BUILD)

Build your own working circuit and explore how resistors, LEDs, and power sources connect to make electronics function. This hands-on activity connects the dots between engineering design, microelectronics, and real-world innovation.

Power up your creativity and discover the hidden systems that power modern technology!

WIRED FOR INNOVATION - EXPLORE THE MICROELECTRONICS THAT POWER FLIGHT!

SCAN OR CLICK QR CODE TO REGISTER TODAY!

LEARN MORE AT AIRCAMPUSA.ORG