

WPAFB E.O.

NEWSLETTER

November 2024

What's Happening?

FIRST Lego League Challenge

FIRST Tech Challenge

Classroom Speakers: Valley View
Schools Veteran's Day Spotlight

SEMEDS

STARBASE: STEM For All

What's Coming Up?

SEMEDS

FIRST Lego League Challenge

FIRST Lego League Challenge



25 FIRST LEGO League Challenge teams kicked off their competition seasons in Ohio on November 23rd. Teams gathered at Ross Middle School in Cincinnati and Hathaway Brown School in Shaker Heights to show off their robot designs, programming, innovation, and teamwork in the first SUBMERGED tournaments in the region.

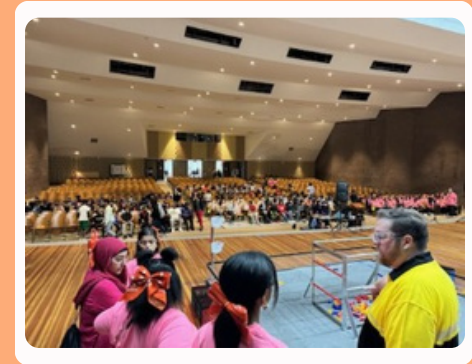
These teams were impressive and 12 of them have been selected to move forward in the competitions, advancing to their respective District Qualifiers where they will compete for awards and a chance to qualify for the Ohio Championship which will be held at Hobart Arena in Troy, OH in March. Special thanks to high school FIRST Robotics Competition teams 3201 Ross Rambotics and 2399 Fighting Unicorns for hosting these events.

Events resume after a break for Thanksgiving with 4 events taking place December 7 and 8 across the region. We can't wait to see what these teams have achieved!

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E.O. NOVEMBER PROGRAM HIGHLIGHTS



Cleveland Metropolitan School District (CMSD) launched its FIRST Tech Challenge robotics season with its first-ever League Meet, featuring 14 middle school teams. The event, supported by a Google.org grant and organized by the WPAFB Educational Outreach Office, allowed teams to inspect robots, play the robot game, and collaborate for the season. Chelsey Cook Kohn, CMSD's Director of Tech Talent Pipeline, expressed deep gratitude for the event and the opportunities it provided for the students. The next league meet will be November 12, with the league tournament scheduled for December 11. Best of luck to the teams!

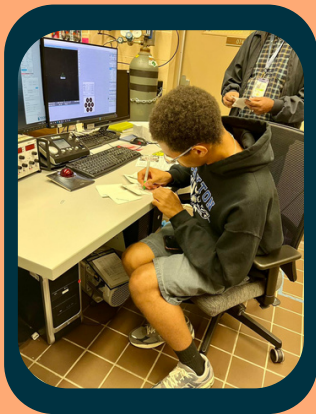
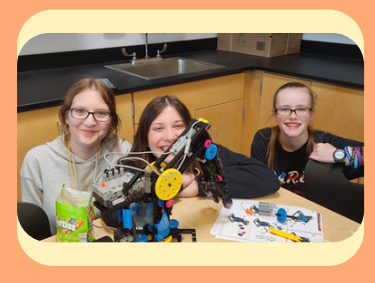
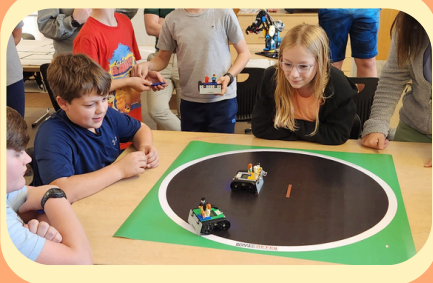


On November 13th, during Valley View Schools' Military Day, Samuel Brown Jr. shared his experiences with Wright-Patterson Air Force Base (WPAFB) and his military journey with 9th-12th grade students. He provided valuable insights into his path to military service, emphasizing the importance of dedication, teamwork, and the unique career opportunities available at WPAFB. His stories gave students a firsthand look at the skills and commitment required in military life, inspiring them to consider their own future possibilities. It was a memorable and engaging event that left a lasting impact on all who attended.

E.O. NOVEMBER PROGRAM HIGHLIGHTS



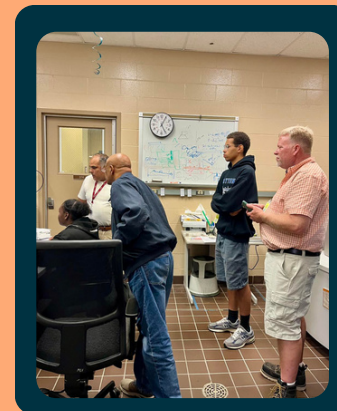
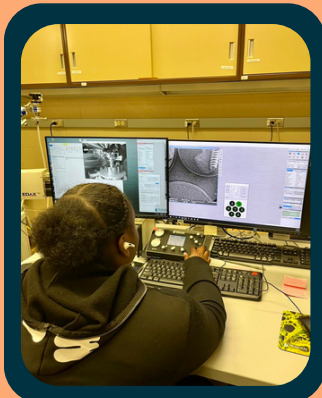
Students at Beaver Creek's Coy Middle School participated in the DoD's Starbase Advanced after-school STEM program, focusing on teamwork and engineering. Guided by STEM coaches from WPAFB, they built Rube Goldberg machines to open a book, experimented with robotic arms, and tackled programming challenges with small robots navigating mazes. The program culminated in a Robo-Sumo competition, where students coded robots to recognize and push rivals out of the ring. The activities improved communication and problem-solving skills. While the 8th graders will move on to high school, Starbase looks forward to working with the returning 6th and 7th graders next year.



A group of enthusiastic kids visited Wright-Patterson Air Force Base to engage in an exciting hands-on experience using the scanning electron microscopes (SEMs). Guided by expert scientists, they learned how these powerful tools allow us to see tiny details at the nanoscale.

The kids examined various materials, discovering the intricate structures of everything from insects to metals. This experience not only sparked their curiosity about science and technology but also inspired them to think about future careers in STEM fields.

It was an evening filled with learning, exploration, and fun!



E.O. NOVEMBER PROGRAM HIGHLIGHTS

LEGACY: GOOD NEWS STORY



The Department of the Air Force's LEGACY Program is a standout initiative for preparing students for STEM careers through summer camps and on-base internships. A shining example of the program's success is Jocelyn, a dedicated Jr. Apprentice from Hill Air Force Base, showcasing the hard work and potential nurtured by LEGACY.

Jocelyn first encountered the LEGACY program at age 11 when her 5th-grade teacher suggested she would be a great fit. She joined the inaugural set of LEGACY campers at Hill Air Force Base and participated in the Craftsman Camps, which offer week-long, STEM-focused activities like egg launches, robot cars, and computer coding. Over five years, Jocelyn returned annually, particularly enjoying coding with Raspberry Pi and engineering projects. Beyond hands-on learning, she valued the strong bonds formed with like-minded peers, highlighting how the program teaches both problem-solving and the importance of teamwork in STEM.



Jocelyn extended her connection with the Air Force beyond the summer LEGACY camps by joining her school's JROTC program at 15, following her graduation from the Craftsman Camps. Inspired by her LEGACY experience, she took on a leadership role as Deputy Group Commander, managing service projects, field trips, and physical training alongside her schoolwork. Outside of JROTC, Jocelyn is active in her school's track and cross-country teams, and she enjoys outdoor activities like hiking, camping, and snowboarding when time permits.



When it comes to youth-oriented organizations, the Department of Air Force has a shining achievement in its Leadership Experience Growing Apprenticeships Committed to Youth (LEGACY) Program. This pipeline program prepares bright and eager students for STEM-related careers in the Air Force through summer camps and on-base internships. If there was a shining example that demonstrated how hard-working LEGACY participants are, it would be LEGACY Jr. Apprentice Jocelyn from Hill Air Force Base.