



WPAFB Educational Outreach



INSPIRING STUDENTS IN STEM

K-12 STEM ENQUIRER

February 2023

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Virtual Read Across America

The National Museum of the U.S. Air Force invites all Teachers and Educators to participate in the 2023 virtual Read Across America program!

The Museum’s Education Division has selected four age-appropriate books for second and third grade readers to be featured. With permission from the authors and publishers, a YouTube link to a short video (8-15 minutes) of each book will be provided to all registrants. Each video will include the book reading with images from the book, and a short tour of a corresponding museum exhibit.

To register, email the Education Division at NationalMuseum.MUT@us.af.mil. Include “Read Across America” in the subject line and add your name, city and state in the body of the email.

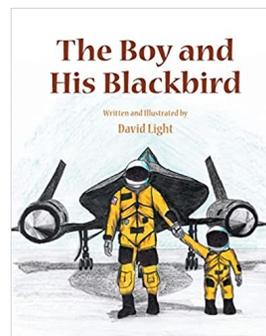
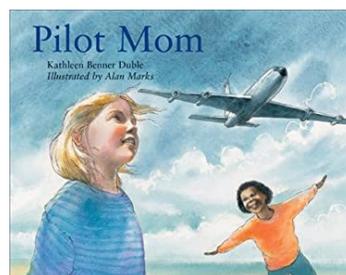
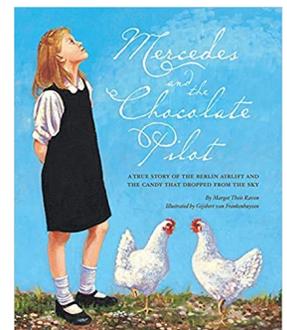
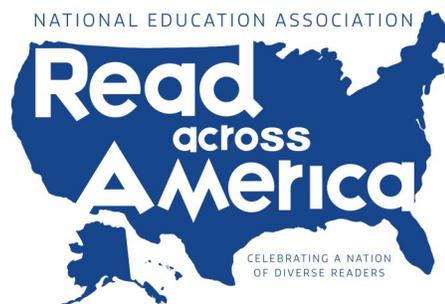
At the request of the authors and publishers, access to these videos will be restricted use rom March 1-31, 2023. All registrants will be granted access starting March 1, 2023.

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Join us next month...

FIRST OH State Championships



LEGACY in the News



Eglin AFB, LEGACY (Leadership Experience Growing Apprenticeships Committed to Youth) Jr. Apprentice, Krista, has been playing the oboe since the sixth grade. She has played in local bands, with her schools and currently plays for her local community band, The Walton County Community Band. She recently joined in with 200 other musicians for just the third time in history for a performance at the Crestview Community Center. The band also performed at Jingle Jangle on Main Street where she was recognized for best outgoing band member.

She is a member and president of the Walton County 4-H Teen Council. Krista recently led her 4-H club in giving back to their community via a project where mindfulness journals were sent to a local county that was involved in a natural disaster. She is also involved in the Mu Alpha Theta math club, academic team, and the golf team.

When asked how the LEGACY program has impacted her, she stated, “STEM programs have encouraged me to take leadership positions and help others in my clubs. It has given me a sense of competition, like that in my golf team. It has also taught me that I enjoyed building and creating, leading me to believe I would enjoy being a Structural Engineer. This career is what I currently aim for and is what I’m working toward in my college classes. As of right now I am only a matter of credit hours from completing my Associate of Arts degree. From there, I will work towards my bachelor’s so that I may then work towards my career.”



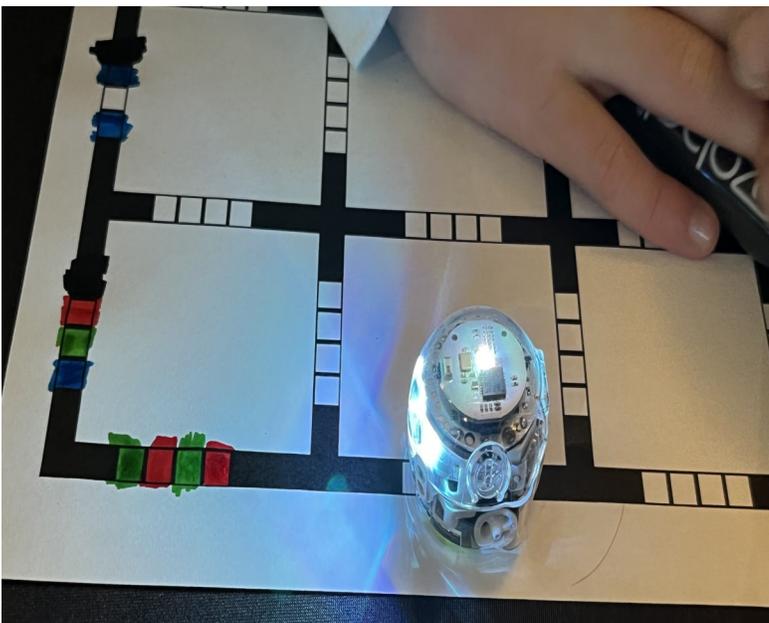
TechFest

The WPAFB Educational Outreach Office along with STARBASE participated in TechFest at Sinclair Community College. The focus of TechFest is to allow students to experience more than 70 hands-on STEM activities. TechFest is one of the biggest STEM events in Ohio, with 2,100 attendees this year!

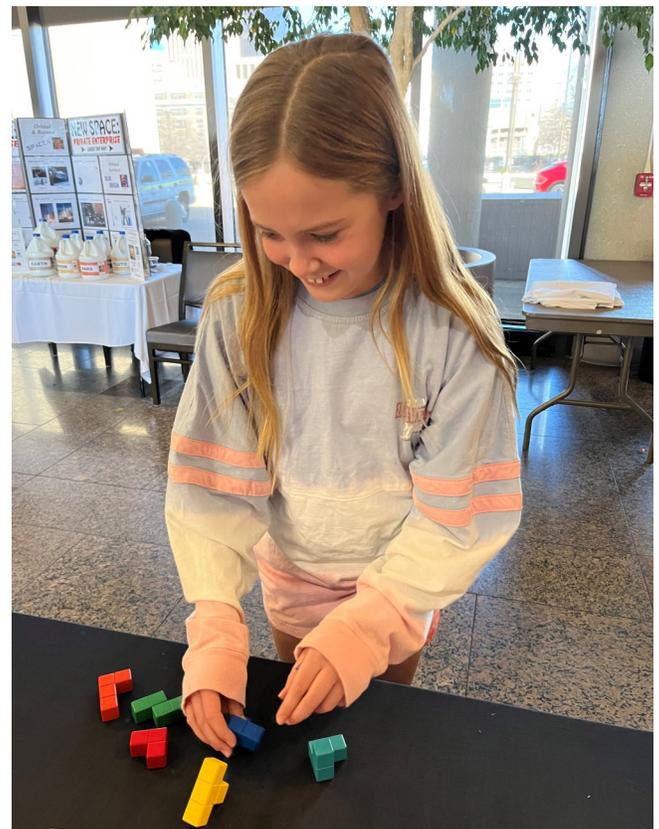
At the EO booth, students learned about coding using Ozobots and binary beads. They also tried their hand at solving toothpick puzzles and Soma Block puzzles. We enjoyed seeing all the students and their families!



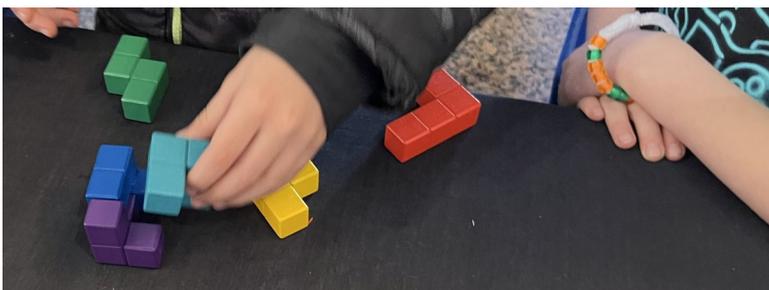
WPAFB booth at TechFest. (Above)



Students learn about color coding with Ozobots! (Above)



Students try solving puzzles using Soma Blocks! (Left and above)



FIRST Tech Challenge Wraps Up Qualifiers

A total of 67 FIRST Tech Challenge teams competed in state qualifiers in February. State qualifiers took place at Kent State University, Wapakoneta High School, and Timberstone Junior High School hosted by the Sylvania STEM Center. Students came to compete and collaborate with their opponents. Bre Holt, the Ohio FTC Program Delivery Partner, said "My favorite part of these competitions is hearing how much the teams encourage each other and cheer for each other." Many of these teams have seen each other at previous competitions and enjoy seeing the improvements and changes that other teams have made to their robots.

Congratulations to the 37 teams that have advanced to the Ohio Championship! These teams are gearing up to compete for the Ohio Championship and an advancement opportunity to the World Championship. The Ohio Championship will take place at Hobart Arena in Troy, Ohio on March 11, 2023. Come out to support our Ohio FTC Teams!

OHIO CHAMPIONSHIP 2023 ROSTER



- | | |
|--------------------------------|-----------------------------|
| 4360 Raider Robotics | 11580 EagleBots |
| 4537 DRSS Enterprise | 11781 MVS Rambotics |
| 4969 Robot-X | 12768 INNOV-8 |
| 5040 Nuts & Bolts | 12802 We Will Bot You |
| 5501 VW Robotics | 13172 Centipede |
| 5754 Marburn Academy Marbotics | 14261 Wreck Less |
| 6418 NDCL Robotics | 14279 FLRC-Circuit Breakers |
| 7136 Higgs Bosons | 14365 Summit Knights |
| 7324 OxyMorons | 16449 Juniper Robotics |
| 8120 Electric Hornets | 16657 We Did Start the Fire |
| 8581 Ædificatores | 17978 Robo Kai (Fenwick) |
| 8642 8 to Automate FTC | 18275 SubZero |
| 8719 Quantum Leap | 18386 Parallax Robotics |
| 10084 Team Calamari | 19778 Wire Monkeys |
| 10237 US Robotics | 19804 Unsafe At Any Speed |
| 10464 The Bionic Tigers | 20385 The Abundant Sheep |
| 10851 WASA | 20744 24 Karat |
| 11187 AZTECHS FTC | 21865 Fe2O3 |
| | 22523 CLOVERLEAF ROBOTICS |

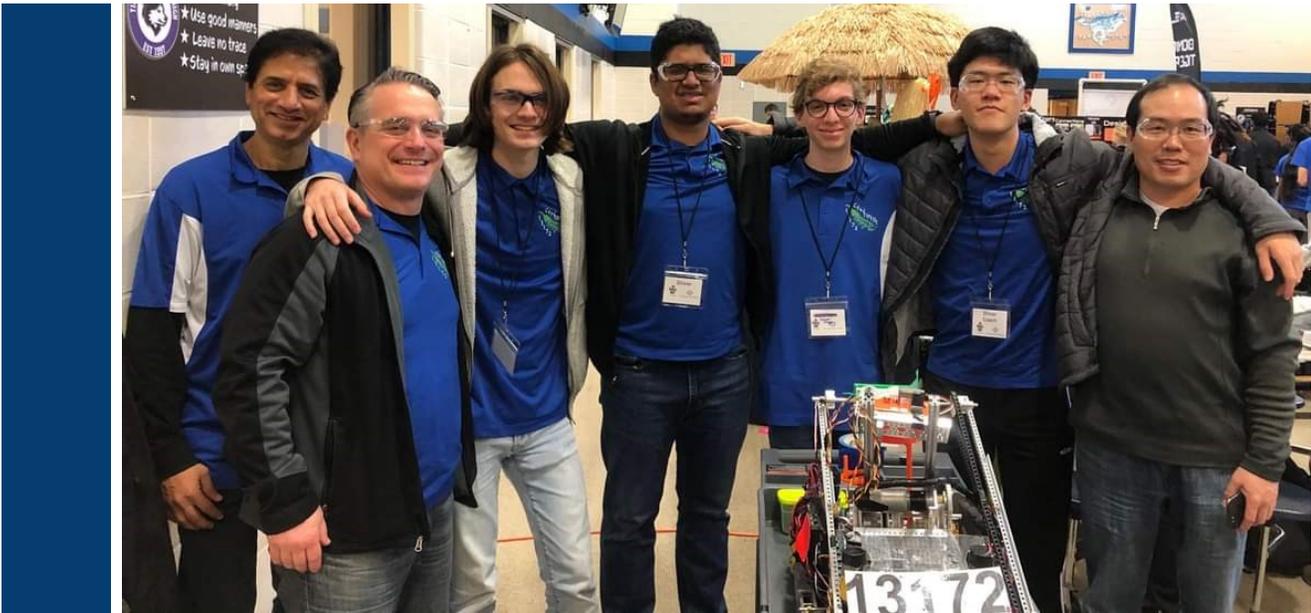
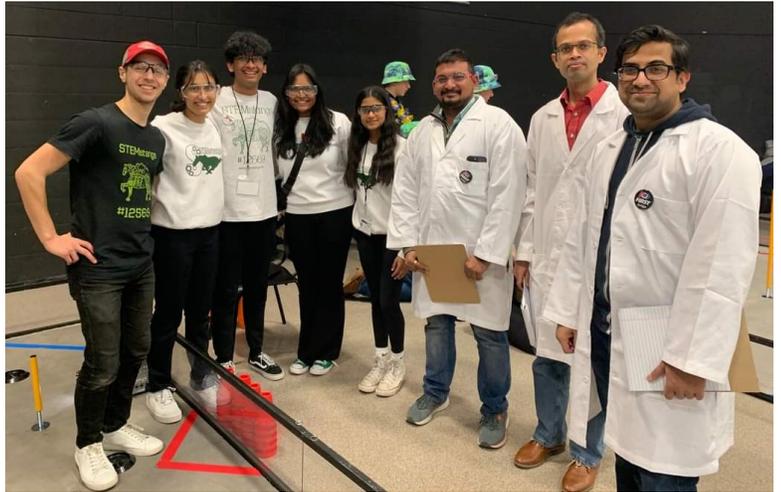


HOBART ARENA
03/11/2023

FIRST Tech Challenge Wraps up Qualifiers cont'd.



FIRST Tech Challenge Wraps up Qualifiers cont'd.



DoD STARBASE Wright-Patt is Reaching Out!

February found the STARBASE Wright-Patt crew out in the community for two great outreach events. First, the STARBASE Wright-Patt 2.0 coordinator headed to Mad River Middle School to promote STARBASE 2.0, an after school program at Mad River Local Schools' Family and Community Celebration. Along with more than 40 local organizations, Shawn reached about 600 people, increasing STEM awareness and excitement while providing information about all of the WPAFB EO programs.



Next, along with the whole WPAFB Education Outreach office, STARBASE Wright-Patt staffers headed to Sinclair Community College to participate in their 2-day Tech Fest event. Hundreds of local students and parents visited the booth to learn about color coding by using Ozobots. It was a great weekend to be out in the community!

Finally, Shawn is out in the community every Thursday afternoon at the Beaver creek branch of the Greene County library teaching coding to area homeschoolers. If you have a homeschooler in Greene County, give the Beaver creek library a [call](#) to see how your child can participate!

Employee Spotlight

Name: *Sam Blevins (contractor)*

Title: *Senior A/V Specialist & Web Developer*

Department: *WPAFB Educational Outreach Office*

Years with the EO office: *3.5 years*

What do you enjoy most about your role in the EO office? *I enjoy the spectrum of my projects, especially new challenges to explore and add to my skill set.*

What is your favorite aspect of working with students in STEM? *I love hearing the success stories from students in our programs, as well as observing the positive impact of each of our amazing program managers.*

What accomplishment are you most proud of in the EO office? *I am very proud of the new EO website design and interactivity. More recently, the launch of our Cybersecurity Arcade and the first two online educational games were achievements beyond my expectations.*

Where would you like to go on a dream vacation and why? *I would love to go to Australia and New Zealand. Their beautiful flora and fauna are so different, yet they still speak English, so communication is not an issue.*

If you had one superpower, what would it be and why? *My superpower would be time travel. How astonishing would it be to watch Leonardo da Vinci paint the Mona Lisa, the construction of the Great Pyramid of Giza, or going 100 years into the future?*



CYBERSECURITY ARCADE

